Author Index to Volume 227
January–March 1985

Editorial Board

PHILIP W. ANDERSON
DAVID BALTIMORE
ANSLEY J. COALE
JOSEPH L. GOLDSTEIN
LEON KNOPFF
SEYMOUR LIPSET
WALTER MASSEY
OLIVER E. NELSON
ALLEN NEWELL
RUTH PATRICK
VERA C. RUBIN
HOWARD E. SIMMONS
SOLOMON H. SNYDER
ROBERT M. SOLOW

WILLIAM D. CAREY
Publisher

HAND NUSSBAUM
Business Manager

DANIEL E. KOSHLAND, JR.
Editor

EARL J. SCHERAGO, *Advertising Director*

Published by the

American Association for the Advancement of Science

1515 Massachusetts Avenue, NW, Washington, D.C. 20005

Printed in Richmond, Virginia, by William Byrd Press

Copyright 1985 by the American Association for the Advancement of Science

A

Aaronson, Stuart A. *See* Rhim, Johng S.
Abele, Lawrence G.: review of *Biogeography and Ecology of the Seychelles Islands*, edited by D. R. Stoddart. v227 p160–161 11 Jan 85.
Abelson, Philip H. (editorials): The Bell Laboratories revisited. v227 p467 1 Feb 85. Federal support for chemistry. v227 p847 22 Feb 85.
Ackerman, T. P. *See* Turco, R. P.
Agarwal, Umesh, P. *See* Atalla, Rajai H.
Ahearne, John F.: Pentagon decision-making (letter). v227 p838 22 Feb 85.
Akil, Huda; Shiomi, Hirohito; Matthews, John: Induction of the intermediate pituitary by stress: synthesis and release of a nonopioid form of β-endorphin. v227 p424–426 25 Jan 85.
Alexander, Hannah. *See* Moriarty, Ann M.
Alic, J. A. *See* Bull, Tom.
Alley, Richard B. *See* Jezek, Kenneth C.
Allison, Truett. *See* Wood, Charles C.
Alloway, Kevin D. *See* Rebec, George V.
Almeida, O. F. X. *See* Tamarkin, Lawrence.
Ammerman, James W. and Azam, Farooq: Bacterial 5'-nucleotidase in aquatic ecosystems: a novel mechanism of phosphorus regeneration. v227 p1338–1340 15 Mar 85.
Andrews, David. *See* Jones, Nancy.
Annan, Robert H.: Photovoltaics (letter). v227 p8 4 Jan 85.
Arieff, Allen I. *See* Graf, Helmut.
Armstrong, C. M. and Matteson, D. R.: Two distinct populations of calcium channels in a clonal line of pituitary cells. v227 p65–67 4 Jan 85.
Armstrong, David E. *See* Hurley, J. P.
Arnett, Edward M. and Simmons, Howard E.: Chemical science and technology (letter). v227 p1530 29 Mar 85.
Arnstein, Paul. *See* Rhim, Johng S.
Arya, Suresh. *See* Sodroski, Joseph.
Astolfi, Emilio. *See* Gotelli, Carlos A.
Atalla, Rajai H. and Agarwal, Umesh, P.: Raman microprobe evidence for lignin orientation in the cell walls of native woody tissue. v227 p636–638 8 Feb 85.
Atalla, Rajai H. and VanderHart, David L.: Crystalline form of native celluloses (technical comment). v227 p79 4 Jan 85.
Azam, Farooq. *See* Ammerman, James W.

B

Bacchi, Cyrus J. and Clarkson, Allen B., Jr.: Trypanosomiasis research (letter). v227 p118, 120 11 Jan 85.
Bader, Charles R. *See* Brownell, William E.
Baetzold, Roger C. *See* Shustorovich, Evgeny.
Baird, Curtis J. *See* Tamarkin, Lawrence.
Baker, Gordon. *See* Holland, Cynthia J.
Baldini, Mario. *See* Feder, Ralph.
Bandman, Everett: Continued expression of neonatal myosin heavy chain in adult dystrophic skeletal muscle. v227 p780–782 15 Feb 85.
Banton, Veronica. *See* Feder, Ralph.
Baqar, S. *See* Farhang-Azad, A.
Barbour, Alan G. *See* Howe, Timothy R.
Barr, Philip J. *See* Sanchez-Pescador, Ray.
Baskin, Gary B. *See* Wolf, Robert H.
Beaudoin, R. L. *See* Mazier, D.
Bedford, Joel S. *See* Cornforth, Michael N.
Bell, John N. *See* Cramer, Carole L.
Bell, William R. *See* Dang, Chi V.
Bennett, Vann. *See* Okoye, Vincent C. N.
Bergstrom, R. *See* Sundaralingam, M.
Bergström, Gunnar. *See* Thien, Leonard B.
Berliner, Lawrence J. and Fujii, Hirotada: Magnetic resonance imaging of biological specimens by electron paramagnetic resonance of nitroxide spin labels. v227 p517–519 1 Feb 85.
Berman, Philip W.; Gregory, Timothy; Crase, Dietrich; Lasky, Laurence A.: Protection from genital herpes simplex virus type 2 infection by vaccination with cloned type 1 glycoprotein D. v227 p1490–1492 22 Mar 85.
Bernhardt, Peter. *See* Thien, Leonard B.
Bertrand, Daniel. *See* Brownell, William E.
Beyea, Jan: Cosmic billboards? (letter). v227 p1284 15 Mar 85.
Bickham, John W.; Tucker, Priscilla K.; Legler, John M.: Diploid-triploid mosaicism: an unusual phenomenon in side-necked turtles (*Platemys platycephala*). v227 p1591–1593 29 Mar 85.
Biewener, Andrew A.: review of *The Mechanical Adaptations of Bones*, by John Currey. v227 p629–630 8 Feb 85.
Binford, Chapman H. *See* Wolf, Robert H.
Bischoff, James L.; Rosenbauer, Robert J.; Smith, George I.: Uranium-series dating of sediments from Searles Lake: differences between continental and marine climate records. v227 p1222–1224 8 Mar 85.
Black, Virginia H. *See* Goldfischer, Sidney.
Blackburn, Peter. *See* Fairlamb, Alan H.
Blair, Stephen M. *See* Littler, Mark M.
Bloch, Erich: Science policy and tight budgets (editorial). v227 p991 1 Mar 85.
Blum, H. *See* Haase, A. T.
Boake, Christine R. B.: Genetic consequences of mate choice: a quantitative genetic method for testing sexual selection theory. v227 p1061–1063 1 Mar 85.
Boardman, David C. *See* Welier, Robert A.
Bondybey, V. E.: Laser-induced fluorescence and bonding of metal dimers. v227 p125–131 11 Jan 85.
Bowser, Carl J. *See* Hurley, J. P.
Brady, N. C.: Toward a green revolution for Africa (editorial). v227 p1159 8 Mar 85.
Brahic, M. *See* Haase, A. T.
Brandicourt, O. *See* Mazier, D.
Brauman, John I. *See* Comita, Paul B.
Breedlove, S. Marc: Hormonal control of the anatomical specificity of motoneuron-to-muscle innervation in rats. v227 p1357–1359 15 Mar 85.
Bretsky, Peter W. and Klofak, Susan M.: Margin to craton expansion of Late Ordovician benthic marine invertebrates. v227 p1469–1471 22 Mar 85.
Brewer, H. Bryan, Jr. *See* Hoeg, Jeffrey M.
Bridges, Robert S.; DiBiase, Rosemarie; Loundes, Donna D.; Doherty, Paul C.: Prolactin stimulation of maternal behavior in female rats. v227 p782–784 15 Feb 85.
Brill, A. Bertrand. *See* Yonekura, Yoshiharu.
Brill, Winston J.: Safety concerns and genetic engineering in agriculture. v227 p381–384 25 Jan 85.
Brody, David: review of *Forces of Production*, by David F. Noble. v227 p47–48 4 Jan 85.
Broecker, Wallace S. *See* Wanninkhof, Rik.
Bromenshenk, J. J.; Carlson, S. R.; Simpson, J. C.; Thomas, J. M.: Pollution monitoring of Puget Sound with honey bees. v227 p632–634 8 Feb 85.
Brown, Michael S. *See* Lehrman, Mark A.
Brownell, William E.; Bader, Charles R.; Bertrand, Daniel; de Ribaupierre, Yves: Evoked mechanical responses of isolated cochlear outer hair cells. v227 p194–196 11 Jan 85.
Brown-Shimer, Sheryl L. *See* Sanchez-Pescador, Ray.
Browse, J.; McCourt, P.; Somerville, C. R.: A mutant of *Arabidopsis* lacking a chloroplast-specific lipid. v227 p763–765 15 Feb 85.
Bruck, C. *See* Thiry, L.
Brugman, M. M. *See* Kamb, Barclay.
Brulfert, A. *See* Ciaravino, V.
Brummer-Korvenkontio, M. *See* Schmaljohn, C. S.
Bull, Tom; Alic, J. A; Jenney, L. L.: Fuel-efficient automobiles (letter). v227 p1156 8 Mar 85.
Burny, A. *See* Thiry, L. *See also* Rosen, Craig A.
Bush, M. *See* O'Brien, S. J.
Bushnell, Mark. *See* Maul, George A. *See also* Molinari, Robert L.
Butler, Jack F.: Development and the market process (letter). v227 p840 22 Feb 85.
Buzbee, B. L. and Sharp, D. H.: Perspectives on supercomputing. v227 p591–597 8 Feb 85.

C

Calame, Kathryn. *See* Mercola, Mark.
Campbell, James N. *See* Meyer, Richard A.
Cannon, Joseph G. and Dinarello, Charles A.: Increased plasma interleukin-1 activity in women after ovulation. v227 p1247–1249 8 Mar 85.
Caradonna, Salvatore J. *See* Derse, David.
Carey, Cynthia: review of *Seabird Energetics*, edited by G. Causey Whittow and Herman Rahn. v227 p406–407 25 Jan 85.
Carey, William D.: Annual report of the Executive Officer (AAAS). v227 p507–511 1 Feb 85.
Carlin, Richard L.: Magnetochemistry of ions in the $^4A_2$ electronic state. v227 p1291–1295 15 Mar 85.
Carlson, S. R. *See* Bromenshenk, J. J.
Carson, Hampton L. *See* Crews, David.
Casey, James W. *See* Derse, David.
Caspar, Donald L. D. *See* Namba, Keiichi.
Centore, Josephine M. *See* Rebec, George V.
Cerami, Anthony. *See* Fairlamb, Alan H.
Cernichiari, Elsa. *See* Gotelli, Carlos A.
Cerutti, Peter A.: Prooxidant states and tumor promotion. v227 p375–381 25 Jan 85.
Chait, Brian T. *See* Fairlamb, Alan H.
Chang, Chung-Ho. *See* Goldfischer, Sidney.
Chang, Hsiu-Ching. *See* Seki, Tetsunori.
Chang, Sandra P. *See* Perlmutter, Roger M.
Chen, Tseh An. *See* Lin, Chan-Pin.
Cheng, Andrew F.: review of *Saturn*, edited by Tom Gehrels and Mildred Shapley Matthews. v227 p158 11 Jan 85.
Chew, Frank. *See* Maul, George A. *See also* Molinari, Robert L.
Cho, Eun-Sook. *See* Shaw, George M.
Church, George M. *See* Ephrussi, Anne.
Ciaravino, V.; Brulfert, A.; Miller, M. W.; Jacobson-Kram, D.; Morgan, W. F.: Diagnostic ultrasound and sister chromatid exchanges: failure to reproduce positive findings. v227 p1349–1351 15 Mar 85.
Clabby, Martha. *See* Jones, Nancy.
Clark, Edward P. *See* Weitzman, Sigmund A.
Clark, J. H. *See* Glazer, A. N.
Clark, Kathleen E. *See* Sanford, Robert L., Jr.
Clark, Scott G. *See* Rio, Donald C.
Clarkson, Allen B., Jr. *See* Bacchi, Cyrus J.
Clarkson, Thomas W. *See* Gotelli, Carlos A.
Clegg, John A. *See* Smith, Maire A.
Clements, Janice E. *See* Gonda, Matthew A.
Clumeck, N. *See* Thiry, L.
Coffin, John M. *See* Schaechter, Moselio.
Cogniaux, J. *See* Thiry, L.
Cohen, David. *See* Wood, Charles C.
Cole, Adeyinka I. *See* Holland, Cynthia J.
Collins, Janna. *See* Goldfischer, Sidney.
Colly, L. *See* O'Brien, S. J.
Coltoff-Schiller, Bernice. *See* Goldfischer, Sidney.
Comita, Paul B. and Brauman, John I.: Gas-phase ion chemistry. v227 p863–869 22 Feb 85.
Compadre, Cesar M.; Pezzuto, John M.; Kinghorn, A. Douglas; Kamath, Savitri K.: Hernandulcin: an intensely sweet compound discovered by review of ancient literature. v227 p417–419 25 Jan 85.
Cook, James L. *See* Lewis, Andrew M., Jr.
Coplen, Tyler B. *See* Winograd, Isaac J.
Cornforth, Michael N. and Bedford, Joel S.: On the nature of a defect in cells from individuals with ataxia-telangiectasia. v227 p1589–1591 29 Mar 85.
Costa, John. *See* Feder, Ralph.
Cowar, I. R. *See* Ehleringer, J. R.
Cox, Allan: review of *Reversals of the Earth's Magnetic Field*, by J. A. Jacobs. v227 p936 22 Feb 85.
Cox, Christopher. *See* Gotelli, Carlos A.

Cramer, Carole L.; Ryder, Thomas B.; Bell, John N.; Lamb, Chris J.: Rapid switching of plant gene expression induced by fungal elicitor. v227 p1240–1243 8 Mar 85.
Cran, S. *See* Thiry, L.
Crase, Dietrich. *See* Berman, Philip W.
Crews, David; Teramoto, Linden T.; Carson, Hampton L.: Behavioral facilitation of reproduction in sexual and parthenogenetic *Drosophila*. v227 p77–78 4 Jan 85.
Croce, Carlo M.; Erikson, Jan; Huebner, Kay; Nishikura, Kazuko: Coexpression of translocated and noraml c-*myc* oncogenes in hybrids between Daudi and lymphoblastoid cells. v227 p1235–1238 8 Mar 85.
Croce, Carlo M.; Isobe, Masaharu; Palumbo, Antonio; Puck, Jennifer; Ming, Jeffrey; Tweardy, David; Erikson, Jan; Davis, Mark; Rovera, Giovanni: Gene for α-chain of human T-cell receptor: location on chromosome 14 region involved in T-cell neoplasms. v227 p1044–1047 1 Mar 85.
Cronin, Thomas M.: Speciation and stasis in marine ostracoda: climatic modulation of evolution. v227 p60–63 4 Jan 85.
Crowley, Thomas J.: review of *Milankovitch and Climate*, edited by A. Berger, J. Imbrie, J. Hays, G. Kukla, and B. Saltzman and *Palaeoclimatic Research and Models*, edited by A. Ghazi. v227 p745–746 15 Feb 85.
Cruickshank, Alexander M.: Gordon Research Conferences. v227 p1067–1105 1 Mar 85. Gordon Research Conferences (letter). v227 p1284 15 Mar 85.
Cruise, Jennifer L.; Houck, Keith A.; Michalopoulos, George K.: Induction of DNA synthesis in cultured rat hepatocytes through stimulation of α_1 adrenoreceptor by norepinephrine. v227 p749–751 15 Feb 85.
Cuffin, B. Neil. *See* Wood, Charles C.
Culliton, Barbara J. (news and comment): Carnegie launches education forum. v227 p925–926 22 Feb 85. Gene therapy: research in public. v227 p493–496 1 Feb 85. Information as a "cure" for cancer. v227 p732 15 Feb 85. Keyworth attacks the press. v227 p1319 15 Mar 85. New curriculum at Harvard Medical School. v227 p153 11 Jan 85. OMB directive will cost NIH loss of 1500 grants. v227 p498 1 Feb 85. OMB raid on NIH budget called "outrageous". v227 p1016–1017 1 Mar 85. Press calls for end of special lobbying. v227 p153 11 Jan 85. Who runs NIH? v227 p1562–1564 29 Mar 85.
Cunningham, Madeleine W. *See* Krisher, Karen.
Currie, Mark G. *See* Saper, Clifford B.
Custer, Jay F. *See* Kraft, John C.

D

Cutting, James E. *See* Priest, Hugh F.
Daddario, Emilio Q.: Patents (editorial). v227 p1535 29 Mar 85.
Dalrymple, J. M. *See* Schmaljohn, C. S.
D'Amato, Constance J. *See* Greenamyre, J. Timothy.
Damman, A. W. H.: review of *European Mires*, edited by Peter D. Moore. v227 p513–514 1 Feb 85.
Dang, Chi V.; Bell, William R.; Kaiser, Donald; Wong, Albert: Disorganization of cultured vascular endothelial cell monolayers by fibrinogen fragment D. v227 p1487–1490 22 Mar 85.
Dauber-Osguthorpe, P. *See* Hagler, A. T.
Davidson, Michael. *See* Davis, Kenneth L.
Davis, Bonnie M. *See* Davis, Kenneth L.
Davis, Kenneth L.; Davidson, Michael; Mohs, Richard C.; Kendler, Kenneth S.; Davis, Bonnie M.; Johns, Celeste A.; DeNigris, Yvonne; Horvath, Thomas B.: Plasma homovanillic acid concentration and the severity of schizophrenic illness. v227 p1601–1602 29 Mar 85.
Davis, Mark. *See* Croce, Carlo M.
Day, N. K. *See* Engelman, R. W.
Dean, A. G. *See* Saxinger, W. Carl.
Dean, Jerome P. *See* Weller, Robert A.
de Medinaceli, Luis. *See* Freed, William J.
DeMeo, James: "Implausible" inventions (letter). v227 p246 18 Jan 85.
Demosky, Stephen J., Jr. *See* Hoeg, Jeffrey.
DeNigris, Yvonne. *See* Davis, Kenneth L.
DeNiro, Michael J. *See* Dorn, Ronald I.
Denman, Clayton C.: Development and the market process (letter). v227 p840 22 Feb 85.
Dennell, R. W.: review of *The Neolithic Transition and the Genetics of Populations in Europe*, by Albert J. Ammerman and L. L. Cavalli-Sforza. v227 p1331 15 Mar 85.
Denome, Roger. *See* Seki, Tetsunori.
DePaolo, Donald J. and Ingram, Bonnye L.: High-resolution stratigraphy with strontium isotopes. v227 p938–941 22 Feb 85.
de Ribaupierre, Yves. *See* Brownell, William E.
Derse, David; Caradonna, Salvatore J.; Casey, James W.: Bovine leukemia virus long terminal repeat: a cell type–specific promoter. v227 p317–320 18 Jan 85.
Despommier, Dickson D. *See* Silberstein, David S.
Dessler, A. J. *See* Hill, T. W.
de Thé, Guy. *See* Saxinger, W. Carl.
Deutsch, T. F. *See* Osgood, R. M.
De Valois, Russell L. *See* Tootell, Roger B. H.
DeVorkin, David H.: review of *The History of Astronomy from Herschel to Hertzsprung*, by Dieter B. Herrmann. v227 p1220–1221 8 Mar 85.
Dialynas, Deno. *See* Jones, Nancy.
DiBiase, Rosemarie. *See* Bridges, Robert S.
Dickson, David (news and comment): Britain's ivory tower goes high-tech. v227 p1560–1562 29 Mar 85. Europeans adopt R&D plan. v227 p39 4 Jan 85. Europeans agree to join in NASA's space station. v227 p731 15 Feb 85. Europeans RACE to close telecommunications gap. v227 p1559 29 Mar 85. Europeans set to join in U.S. space station. v227 p271–273 18 Jan 85. French education: back to basics. v227 p1322 15 Mar 85. Germany announces plans for reprocessing plant. v227 p929 22 Feb 85. Germany wants in on U.S. space station. v227 p499 1 Feb 85. Global energy study under fire. v227 p34 4 Jan 85. A push for European patent reform. v227 p926–927 22 Feb 85. SPARX fly over U.S.–German space venture. v227 p617–618 8 Feb 85.
DiFiglia, M. *See* Graveland, G. A.
Dina, Dino. *See* Sanchez-Pescador, Ray.
Dinarello, Charles A. *See* Cannon, Joseph G.
Disteche, Christine M. *See* Kranz, David M.
Doherty, Paul C. *See* Bridges, Robert S.
Dolin, Raphael: Antiviral chemotherapy and chemoprophylaxis. v227 p1296–1303 15 Mar 85.
Dorn, Ronald I. and DeNiro, Michael J.: Stable carbon isotope ratios of rock varnish organic matter: a new paleoenvironmental indicator. v227 p1472–1474 22 Mar 85.
Dover, Michael J.: Pesticide resistance (letter). v227 p592 8 Feb 85.
Drake, Charles L. *See* Officer, Charles B.
Drenckhahn, Detlev. *See* Low, Philip S.
Droz, Bernard. *See* Omlin, François Xavier.
Druilhe, P. *See* Mazier, D.
Dvorak, A. M. *See* Dvorak, H. F.
Dvorak, H. F.; Senger, D. R.; Dvorak, A. M.; Harvey, V. S.; McDonagh, J.: Regulation of extravascular coagulation of microvascular permeability. v227 p1059–1061 1 Mar 85.

E and F

East, I. J.; Goodger, B. V.; Willadsen, P.; Wright, I. G.: Vaccines against parasitic diseases (letter). v227 p704 15 Feb 85.
Echelmeyer, K. A. *See* Kamb, Barclay.
Eckardt, Michael J. *See* Martin, Peter R.
Edelson, Burton I.: Mission to planet Earth (editorial). v227 p367 25 Jan 85.
Ehleringer, J. R.; Schulze, E.-D.; Ziegler, H.; Lange, O. L.; Farquhar, G. D.; Cowar, I. R.: Xylem-tapping mistletoes: water or nutrient parasites? v227 p1479–1481 22 Mar 85.
Ehret, Günter and Merzenich, Michael M.: Auditory midbrain responses parallell spectral integration phenomena. v227 p1245–1247 8 Mar 85.
Eichholtz, D. *See* Horsch, R. B.
Eisen, Herman N. *See* Kranz, David M.
Eisenberg, Evan and Hill, Terrell L.: Muscle contraction and free energy transduction in biological systems. v227 p999–1006 1 Mar 85.
Elmaleh, David R. *See* Yonekura, Yoshiharu.
Engebrecht, JoAnne; Simon, Melvin; Silverman, Michael: Measuring gene expression with light. v227 p1345–1347 15 Mar 85.
Engelhardt, Hermann. *See* Kamb, Barclay.
Engelman, R. W.; Fulton, R. W; Good, R. A.; Day, N. K.: Suppression of gamma interferon production by inactivated feline leukemia virus. v227 p1368–1370 15 Mar 85.
Ephrussi, Anne; Church, George M.; Tonegawa, Susumu; Gilbert, Walter: B lineage–specific interactions of an immunoglobulin enhancer with cellular factors in vivo. v227 p134–140 11 Jan 85.
Epstein, Leon G. *See* Shaw, George M.
Erikson, Jan. *See* Croce, Carlo M.
Eskin, Suzanne G. *See* Frangos, John A.
Essex, Max. *See* Goh, Wei Chun.
Eudey, Ardith A.: review of *The Barbary Macaque*, edited by John E. Fa. v227 p160 11 Jan 85.
Evermann, J. F. *See* O'Brien, S. J.
Fairlamb, Alan H.; Blackburn, Peter; Ulrich, Peter; Chait, Brian T.; Cerami, Anthony: Trypanothione: a novel bis(glutathionyl)-spermidine cofactor for glutathione reductase in trypanosomatids. v227 p1485–1487 22 Mar 85.
Farhang-Azad, A.; Traub, R.; Baqar, S.: Transovarial transmission of murine typhus rickettsiae in *Xenopsylla cheopis* fleas. v227 p543–545 1 Feb 85.
Fariss, Marc W.; Pascoe, Gary A.; Reed, Donald J.: Vitamin E reversal of the effect of extracellular calcium on chemically induced toxicity in hepatocytes. v227 p751–754 15 Feb 85.
Farquhar, G. D. *See* Ehleringer, J. R.
Fearon, Eric R. *See* Vogelstein, Bert.
Feder, Ralph; Banton, Veronica; Sayre, David; Costa, John; Baldini, Mario; Kim, Byung: Direct imaging of live human platelets by flash x-ray microscopy. v227 p63–64 4 Jan 85.
Fein, Alvin E.: Chemical information online (letter). v227 p120 11 Jan 85.
Feinberg, Andrew P. *See* Vogelstein, Bert.
Ferrell, Ray E., Jr. *See* Vermeer, Donald E.
Ferris, Deam H.: Trypanosomiasis research (letter). v227 p118 11 Jan 85.
Finegold, Leonard X.: *Anthropos* and *Ursus* (letter). v227 p8 4 Jan 85.
Finger, Thomas E. and Morita, Yasuhiro: Two gustatory systems: facial and vagal gustatory nuclei have different brainstem connections. v227 p776–778 15 Feb 85.
Fischer, Eric A.: review of *Fish Reproduction*, edited by G. W. Potts and R. J. Wootton. v227 p1464–1465 22 Mar 85.
Fisher, Joan M. *See* Jones, Phillip B. C.
Fiske, Donald W.: review of *Summing Up*, by Richard L. Light and David B. Pillemer. v227 p407 25 Jan 85.
Fox, Jeffrey L. (news and comment): Troubles plague Polish physicists. v227 p33 4 Jan 85. Zeolites catalyze patent dispute. v227 p35–36 4 Jan 85.
Fraley, R. T. *See* Horsch, R. B.
Francis, Erika A. *See* Weller, Robert A.
Frangos, John A.; Eskin, Suzanne G.; McIntire, Larry V.; Ives, C. L.: Flow effects on prostacyclin production by cultured human endothelial cells. v227 p1477–1479 22 Mar 85.
Frank, Richard. *See* Needleman, Herbert L.

Fraser, John. *See* Jones, Nancy.
Freed, William J.; de Medinaceli, Luis; Wyatt, Richard Jed: Promoting functional plasticity in the damaged nervous system. v227 p1544–1552 29 Mar 85.
Fry, J. E. *See* Horsch, R. B.
Fujii, Hirotada. *See* Berliner, Lawrence J.
Fulton, R. W. *See* Engelman, R. W.

G

Gabrielli, William F., Jr. *See* Mednick, Sarnoff A.
Gabrielson, Edward W. *See* Yoakum, George H.
Gajdusek, D. Carleton. *See* Shaw, George M.
Galeazzi, Donna R. *See* Jones, Phillip B. C.
Gallo, Robert C. *See* Gonda, Matthew A. *See also* Saxinger, W. Carl. *See also* Shaw, George M. *See also* Sodroski, Joseph. *See also* Starcich, Bruno.
Galloway, J. N. *See* Oppenheimer, M.
Gallucci, Kathleen K. *See* Paerl, Hans W.
Garber, A. T.; Winkler, C.; Shinohara, T.; King, C. R.; Inana, G.; Piatigorsky, J.; Gold, R. J. M.: Selective loss of a family of gene transcripts in a hereditary murine cataract. v227 p74–77 4 Jan 85.
Garber, Ellen A. *See* Schultz, Alan M.
Garbers, David L. *See* Ward, Gary E.
Garrett, Christopher; Middleton, John; Hazen, Mark; Majaess, Fouad: Tidal currents and eddy statistics from iceberg trajectories off Labrador. v227 p1333–1335 15 Mar 85.
Garritt, Robert H. *See* Peterson, Bruce J.
Gazzaniga, Michael S.: review of *Cerebral Dominance*, edited by Norman Geschwind and Albert M. Galaburda. v227 p1331–1332 15 Mar 85.
Geballe, A. *See* Haase, A. T.
Gee, Wendy W. *See* Sanchez-Pescador, Ray.
Geiger, Susan K. *See* Needleman, Herbert L.
Gelinas, Robert L. *See* Obermeier, Stephen F.
Geller, David M. *See* Saper, Clifford B.
George, Thomas F.: review of *Theory of Slow Atomic Collisions*, by E. E. Nikitin and S. Ya. Umanskii. v227 p1463 22 Mar 85.
Gerstein, Dean R. *See* Miller, G. H.
Gibbs, George W. *See* Thien, Leonard B.
Gilbert, Walter. *See* Ephrussi, Anne.
Gilden, Raymond V. *See* Gonda, Matthew A.
Gingerich, Owen: Brown dwarfs (letter). v227 p1154 8 Mar 85.
Glankwamdee, Atthakorn. *See* Yuthavong, Yongyuth.
Glass, B. P. *See* O'Keefe, J. A.
Glazer, A. N.; Yeh, Sheila W.; Webb, S. P.; Clark, J. H.: Disk-to-disk transfer as the rate-limiting step for energy flow in phycobilisomes. v227 p419–423 25 Jan 85.
Goddard, William A., III: Theoretica chemistry comes alive: full partner with experiment. v227 p917–923 22 Feb 85.
Goetz, Tom. *See* Holland, Cynthia J.
Goff, Thomas E. *See* Tucker, Compton J.
Goh, Wei Chun; Sodroski, Joseph; Rosen, Craig; Essex, Max; Haseltine, William A.: Subcellular localization of the product of the long open reading frame of human T-cell leukemia virus type I. v227 p1227–1228 8 Mar 85.
Gohn, Gregory S. *See* Obermeier, Stephen F.
Gold, R. J. M. *See* Garber, A. T.
Goldberg, R. *See* Haase, A. T.
Goldfischer, Sidney; Collins, Janna; Rapin, Isabelle; Coltoff-Schiller, Bernice; Chang, Chung-Ho; Nigro, Michael; Black, Virginia H.; Javitt, Norman B.; Moser, Hugo W.; Lazarow, Paul B.: Peroxisomal defects in neonatal-onset and X-linked adrenoleukodystrophies. v227 p67–70 4 Jan 85.
Goldgaber, D. *See* Schmaljohn, C. S.
Goldhaber, P. *See* Williams, R. C.
Goldman, Charles R. *See* Strub, P. Ted.
Goldstein, Joseph L. *See* Lehrman, Mark A.
Goltzman, David and Mitchell, Jane: Interaction of calcitonin and calcitonin gene–related peptide at receptor sites in target tissues. v227 p1343–1345 15 Mar 85.
Gonda, Matthew A.; Wong-Staal, Flossie; Gallo, Robert C.; Clements, Janice E.; Narayan, Opendra; Gilden, Raymond V.: Sequence homology and morphologic similarity of HTLV-III and visna virus, a pathogenic lentivirus. v227 p173–177 11 Jan 85.
Good, R. A. *See* Engelman, R. W.
Goodger, B. V. *See* East, I. J.
Goodman, Mark M. *See* Yonekura, Yoshiharu.
Gordon, Arnold L.: Indian-Atlantic transfer of thermocline water at the Agulhas Retroflection. v227 p1030–1033 1 Mar 85.
Gormus, Bobby J. *See* Wolf, Robert H.
Gotelli, Carlos A.; Astolfi, Emilio; Cox, Christopher; Cernichiari, Elsa; Clarkson, Thomas W.: Early biochemical effects of an organic mercury fungicide on infants: "dose makes the poison." v227 p638–640 8 Feb 85.
Gottlieb, Michael: Enzyme regulation in a trypanosomatid: effect of purine starvation on levels of 3'-nucleotidase activity. v227 p72–74 4 Jan 85.
Gould, James L.: How bees remember flower shapes. v227 p1492–1494 22 Mar 85.
Gould, Stephen Jay: review of *Dear Lord Rothschild*, by Miriam Rothschild. v227 p159–160 11 Jan 85.
Goverman, Joan. *See* Mercola, Mark.
Graf, Helmut; Leach, William; Arieff, Allen I.: Evidence for a detrimental effect of bicarbonate therapy in hypoxic lactic acidosis. v227 p754–756 15 Feb 85.
Grant, Peter R. *See* Schluter, Dolph.
Gratton, Alain and Wise, Roy A.: Hypothalamic reward mechanism: two first-stage fiber populations with a cholinergic component. v227 p545–548 1 Feb 85.
Graveland, G. A.; Williams, R. S.; DiFiglia, M.: Evidence for degenerative and regenerative changes in neostriatal spiny neurons in Huntington's disease. v227 p770–773 15 Feb 85.
Gray, Gary M. *See* Reisenauer, Ann M.
Greaser, M. *See* Sundaralingam, M.
Greenamyre, J. Timothy; Penney, John B.; Young, Anne B.; D'Amato, Constance J.; Hicks, Samuel P.; Shoulson, Ira: Alterations in L-glutamate binding in Alzheimer's and Huntington's diseases. v227 p1496–1499 22 Mar 85.
Gregg, Richard E. *See* Hoeg, Jeffrey M.
Gregory, Timothy. *See* Berman, Philip W.
Greyber, Howard D.: Development and the market process (letter). v227 p838, 840 22 Feb 85.
Griffin, Michael. *See* Sassen, Kenneth.
Groopman, Jerome E. *See* Shaw, George M.
Grossman, Charles J.: Interactions between the gonadal steroids and the immune system. v227 p257–261 18 Jan 85.
Groth, Inga. *See* Thien, Leonard B.
Gschwend, Philip M.; MacFarlane, John K.; Newman, Kathleen A.: Volatile halogenated organic compounds released to seawater from temperate marine macroalgae. v227 p1033–1035 1 Mar 85.
Guguen-Guillouzo, C. *See* Mazier, D.

H

Haase, A. T.; Walker, D.; Stowring, L.; Ventura, P.; Geballe, A.; Blum, H.; Brahic, M.; Goldberg, R.; O'Brien, K.: Detection of two viral genomes in single cells by double-label hybridization in situ and color microradioautography. v227 p189–192 11 Jan 85.
Hagler, A. T.; Osguthorpe, D. J.; Dauber-Osguthorpe, P.; Hempel, J. C.: Dynamics and conformational energetics of a peptide hormone: vasopression. v227 p1309–1315 15 Mar 85.
Hahn, Beatrice H. *See* Shaw, George M.
Halpern, Jack: Mechanisms of coenzyme B_{12}–dependent rearrangements. v227 p869–875 22 Feb 85.
Hamilton, Stanley R. *See* Vogelstein, Bert.
Hanafusa, Hidesaburo. *See* Schultz, Alan M.
Hannon, W. J.: Seismic verification of a comprehensive test ban. v227 p251–257 18 Jan 85.
Hansen, Brian D. *See* Jackson, Peter R.
Hardin, Garrett: Preventing famine (letter). v227 p1284 15 Mar 85.
Hardy, J. C.: Exotic nuclei and their decay. v227 p993–999 1 Mar 85.
Hardy, Richard. *See* Waldor, Matthew K.
Harper, Mary E. *See* Shaw, George M.
Harris, Curtis C. *See* Yoakum, George H.
Harrison, W. D. *See* Kamb, Barclay.
Harvey, V. S. *See* Dvorak, H. F.
Haseltine, William A. *See* Goh, Wei Chun. *See also* Rosen, Craig A. *See also* Sodroski, Joseph.
Haseman, J. K. *See* Huff, J. E.
Hasty, S. E. *See* Schmaljohn, C. S.
Hazen, Mark. *See* Garrett, Christopher.
Hebert, Jacques J.: Crystalline form of native celluloses (technical comment). v227 p79 4 Jan 85.
Heckmann, Klaus. *See* Kuhlmann, Hans-Werner.
Hempel, J. C. *See* Hagler, A. T.
Henderson, Louis E. *See* Schultz, Alan M.
Hennessy, Kevin and Kieff, Elliott: A second nuclear protein is encoded by Epstein-Barr virus in latent infection. v227 p1238–1240 8 Mar 85.
Herrera, Rafael. *See* Sanford, Robert L., Jr.
Herzenberg, Leonard A. *See* Waldor, Matthew K.
Heyliger, Clayton E.; Tahiliani, Arun G.; McNeill, John H.: Effect of vanadate on elevated blood glucose and depressed cardiac performance of diabetic rats. v227 p1474–1477 22 Mar 85.
Hickman, Carole S. and Lipps, Jere H.: Geologic youth of Galápagos Islands confirmed by marine stratigraphy and paleontology. v227 p1578–1579 25 Mar 85.
Hicks, Samuel P. *See* Greenamyre, J. Timothy.
Hill, T. W. and Dessler, A. J.: Remote sensing of the magnetic moment of Uranus: predictions for Voyager. v227 p1466–1469 22 Mar 85.
Hill, Terrell L. *See* Eisenberg, Evan.
Hinman, C. Wiley: Arid land crops (letter). v227 p466 1 Feb 85.
Hoagland, Mahlon: NIH study (letter). v227 p704 15 Feb 85.
Hoeg, Jeffrey M.; Demosky, Stephen J., Jr.; Gregg, Richard E.; Schaefer, Ernst J.; Brewer, H. Bryan, Jr.: Distinct hepatic receptors for low density lipoprotein and apolipoprotein E in humans. v227 p759–761 15 Feb 85.
Hoffmann, N. L. *See* Horsch, R. B.
Hoh, Mei. *See* Saxinger, W. Carl.
Hoidal, John. *See* van Asbeck, B. Sweder.
Holaday, John W. *See* Long, Joseph B.
Holbrook, Stephen R. *See* Pearlman, David A.
Holden, Constance (news and comment): ADAMHA funding pressed. v227 p147–149 11 Jan 85. AID turns down IPPF. v227 p37 4 Jan 85. AIDS tightens antiabortion measures. v227 p1318–1319 15 Mar 85. A forceful new hand on the reins at NSF. v227 p1557–1558 29 Mar 85. Garrison compromise proposed. v227 p152 11 Jan 85. Getting health promotion into medicare. v227 p1183 8 Mar 85. Industry-academia cooperation touted. v227 p152–153 11 Jan 85. Is bioenergy stalled? v227 p1018 1 Mar 85. MacArthur puts $25 million into world peace studies. v227 p498 1 Feb 85. New peace committee at NRC. v227 p614–615 8 Feb 85. NIE's director ousted, its survival in doubt. v227 p1558–1559 29 Mar 85. OTA critical of AIDS initiative. v227 p1182–1183 8 Mar 85. Peace institute funds deferred. v227 p499 1 Feb 85. Psychologist's suit dismissed. v227 p37 4 Jan 85. Restoration of the humanities urged. v227 p149–150 11 Jan 85. Science board takes on pork-barreling. v227 p1183 8 Mar 85. Scientific boycott proposed to aid refusenik. v227 p36–37 4 Jan 85. Scientists object to loss of NSF

ethics program. v227 p1014 1 Mar 85. Shultz chides scientists but also asks for advice. v227 p1446 22 Mar 85. Twin information bank. v227 p275 18 Jan 85. Two Chilean professors released. v227 p36 4 Jan 85. VA re-reconsiders twin study. v227 p37 4 Jan 85.
Holland, Cynthia J.; Ristic, Miodrag; Cole, Adeyinka I.; Johnson, Philip; Baker, Gordon; Goetz, Tom: Isolation, experimental transmission, and characterization of causative agent of Potomac horse fever. v227 p522–524 1 Feb 85.
Holmes, Richard T.: review of *Shorebirds*, edited by Joanna Burger and Bori L. Olla. v227 p1463–1464 22 Mar 85.
Holser, William T.: review of *Atlas of Lithological-Paleogeographical Maps of the World*, by A. Ronov, V. Khain, and K. Seslavinsky. v227 p935–936 22 Feb 85.
Hood, Leroy E. *See* Perlmutter, Roger M.
Horsch, R. B.; Fry, J. E.; Hoffmann, N. L.; Eichholtz, D.; Rogers, S. G.; Fraley, R. T.: A simple and general method for transferring genes into plants. v227 p1229–1231 8 Mar 85.
Horvath, Thomas B. *See* Davis, Kenneth L.
Houck, Keith A. *See* Cruise, Jennifer L.
Howard, J. C. *See* Weinberg, W. C.
Howarth, Robert W. *See* Peterson, Bruce J.
Howe, Timothy R.; Mayer, Leonard W.; Barbour, Alan G.: A single recombinant plasmid expressing two major outer surface proteins of the Lyme disease spirochete. v227 p645–646 8 Feb 85.
Huebner, Kay. *See* Croce, Carlo M.
Huff, J. E.; Melnick, R. L.; Solleveld, H. A.; Haseman, J. K.; Powers, M.; Miller, R. A.: Multiple organ carcinogenicity of 1,3-butadiene in $B6C3F_1$ mice after 60 weeks of inhalation exposure. v227 p548–549 1 Feb 85.
Hughey, Aaron W.: Benefits of a science department (letter). v227 p1530 29 Mar 85.
Humphrey, N. *See* Kamb, Barclay.
Hurley, J. P.; Armstrong, David E.; Kenoyer, Galen J.; Bowser, Carl J.: Ground water as a silica source for diatom production in a precipitation-dominated lake. v227 p1576–1578 29 Mar 85.
Hutchings, Barry. *See* Mednick, Sarnoff A.

I and J

Iannaccone, P. M. *See* Weinberg, W. C.
Icerman, Larry: Arid land crops (letter). v227 p466 1 Feb 85.
Inana, G. *See* Garber, A. T.
Ingle, David J.: The goldfish as a retinex animal. v227 p651–654 8 Feb 85.
Ingram, Bonnye L. *See* DePaolo, Donald J.
Isobe, Masaharu. *See* Croce, Carlo M.
Ives, C. L. *See* Frangos, John A.
Iwai, Junichi. *See* Yonekura, Yoshiharu.
Jackson, Peter R.; Pappas, Michael G.; Hansen, Brian D.: Fluorogenic substrate detection of viable intracellular and extracellular pathogenic protozoa. v227 p435–438 25 Jan 85.
Jacob, Harry S. *See* Sweder van Asbeck, B.
Jacobson-Kram, D. *See* Ciaravino, V.
Jacoby, Itzhak. *See* Lenfant, Claude.
Jacquemin, P. *See* Thiry, L.
Janecek, Thomas R. *See* Rea, David K.
Jarett, Leonard; Wong, Ellen H. A.: Macaulay, S. Lance; Smith, Judith A.: Insulin mediators from rat skeletal muscle have differential effects on insulin-sensitive pathways of intact adipocytes. v227 p533–535 1 Feb 85.
Javitt, Norman B. *See* Goldfischer, Sidney.
Jay, Gilbert. *See* Rhim, Johng S.
Jeffcoat, M. K. *See* Williams, R. C.
Jenney, L. L. *See* Bull, Tom.
Jezek, Kenneth C.; Alley, Richard B.; Thomas, Robert H.: Rheology of glacier ice. v227 p1335–1337 15 Mar 85.
Johns, Celeste A. *See* Davis, Kenneth L.
Johnson, H. G. *See* Williams, R. C.
Johnson, Philip. *See* Holland, Cynthia J.
Johnson, Sandra M. *See* King, George L.
Jones, Nancy; Leiden, Jeffrey; Dialynas, Deno; Fraser, John; Clabby, Martha; Kishimoto, Takashi; Strominger, Jack L.; Andrews, David; Lane, William; Woody, James: Partial primary structure of the alpha and beta chains of human tumor T-cell receptors. v227 p311–314 18 Jan 85.
Jones, Phillip B. C.; Galeazzi, Donna R.; Fisher, Joan M.; Whitlock, James P., Jr.: Control of cytochrome P_1-450 gene expression by dioxin. v227 p1499–1502 22 Mar 85.
Josephs, Steven F. *See* Starcich, Bruno.
Jukes, Thomas H.: Carcinogenesis (letter). v227 p466 1 Feb 85.

K

Kachar, Bechara: Asymmetric illumination contrast: a method of image formation for video light microscopy. v227 p766–768 15 Feb 85. Direct visualization of organelle movement along actin filaments dissociated from characean algae. v227 p1355–1357 15 Mar 85.
Kaiser, Donald. *See* Dang, Chi V.
Kamath, Savitri K. *See* Compadre, Cesar M.
Kamb, Barclay; Raymond, C. F.; Harrison, W. D.; Engelhardt, Hermann; Echelmeyer, K. A.; Humphrey, N.; Brugman, M. M.; Pfeffer, T.: Glacier surge mechanism: 1982–1983 surge of Variegated Glacier, Alaska. v227 p469–479 1 Feb 85.
Kamin, Leon J.: Criminality and adoption (letter). v227 p983 1 Mar 85.
Kaplan, M. L. *See* Williams, R. C.
Kearney, John F. *See* Perlmutter, Roger M.
Kearny, Cresson H.: On a "nuclear winter" (letter). v227 p356, 358 25 Jan 85.
Keepin, Bill and Wynne, Brian: Global energy study (letter). v227 p838 22 Feb 85.
Keil, Stephen L.: review of *The Solar Granulation*, by R. J. Bray, R. E. Loughhead, and C. J. Durrant. v227 p512–513 1 Feb 85.
Kendler, Kenneth S. *See* Davis, Kenneth L.
Kennedy, Donald: Government policies and the cost of doing research. v227 p480–484 1 Feb 85.
Kenoyer, Galen J. *See* Hurley, J. P.
Kerby, R. *See* Zeikus, J. G.
Kerr, Richard A. (research news): Caldera watching continues here and abroad. v227 p43 4 Jan 85. Could an asteroid be a comet in disguise? v227 p930–931 22 Feb 85. Eastern quakes pinned down? v227 p400 25 Jan 85. Fifteen years of African drought. v227 p1453–1454 22 Mar 8. Inyo Domes drilling hits pay dirt. v227 p504 1 Feb 85. New technology aids geophysicists. v227 p619–620 8 Feb 85. Old Faithful not so faithful anymore. v227 p42 4 Jan 85. Periodic extinctions and impacts challenged. v227 p1451–1453 22 Mar 85. Prospects for short-term earthquake prediction. v227 p42 4 Jan 85. Seismic reflections from the deep mantle. v227 p42–43 4 Jan 85. Strontium isotope dating achieves useful precision. v227 p43 4 Jan 85. Unexpected young fault found in Oklahoma. v227 p1187–1188 8 Mar 85. What's going on at Neptune? v227 p734 15 Feb 85. Wild string of winters confirmed. v227 p506 1 Feb 85.
Kettman, Richard. *See* Rosen, Craig A.
Kieff, Elliott. *See* Hennessy, Kevin.
Kim, Byung. *See* Feder, Ralph.
Kim, Sung-Hou. *See* Pearlman, David A.
King, C. R. *See* Garber, A. T.
King, George L. and Johnson, Sandra M.: Receptor-mediated transport of insulin across endothelial cells. v227 p1583–1586 29 Mar 85.
Kinghorn, A. Douglas. *See* Compadre, Cesar M.
Kinne, Stefan. *See* Sassen, Kenneth.
Kirkpatrick, R. James. *See* Oldfield, Eric.
Kirtikara, Krissanapong. *See* Yuthavong, Yongyuth.
Kishimoto, Takashi. *See* Jones, Nancy.
Kleiman, Devra G.: review of *Primate Paternalism*, edited by David Milton Taub. v227 p288 18 Jan 85.
Klofak, Susan M. *See* Bretsky, Peter W.
Knapp, Furn F., Jr. *See* Yonekura, Yoshiharu.
Kochan, Jarema. *See* Ravetch, Jeffrey V.
Kolata, Gina (research news): Avoiding the schistosome's tricks. v227 p285–287 18 Jan 85. Changing bits to magnetic blips. v227 p932–933 22 Feb 85. Heart panel's conclusions questioned. v227 p40–41 4 Jan 85. Obesity declared a disease. v227 p1019–1020 1 Mar 85. Testing for trichinosis. v227 p621, 624 8 Feb 85. Virus-heart link studies. v227 p735 15 Feb 85. Why do people get fat? v227 p1327–1328 15 Mar 85. (news and comment): Jury clears Bendectin. v227 p1559 29 Mar 85. Study of Reye's-aspirin link raises concerns. v227 p391–392 25 Jan 85.
Kolesar, Peter T. *See* Winograd, Isaac J.
Korba, Brent E. *See* Yoakum, George H.
Koshland, Daniel E., Jr. (editorials): Benefits, risks, vaccines, and the courts. v227 p1289 15 Mar 85. A Department of Science? v227 p589 8Feb 85. An editor's quest (I). v227 p123 11 Jan 85. An editor's quest (II). v227 p249 18 Jan 85. Health, wealth, and unhappiness. v227 p1419 22 Mar 85. Philip Hauge Abelson. v227 p13 4 Jan 85.
Kraft, John C. and Custer, Jay F.: The Holly Oak pendant (letter). v227 p244, 246 18 Jan 85.
Kranz, David M.; Saito, Haruo; Disteche, Christine M.; Swisshelm, Karen; Pravtcheva, Dimitrina; Ruddle, Frank H.; Eisen, Herman N.; Tonegawa, Susumu: Chromosomal locations of the murine T-cell receptor alpha-chain gene and the T-cell gamma gene. v227 p941–945 22 Feb 85
Krisher, Karen and Cunningham, Madeleine W.: Myosin: a link between streptococci and heart. v227 p413–415 25 Jan 85.
Kronberg, Philipp R. and Sramek, Richard A.: Discovery of new variable radio sources in the nucleus of the nearby galaxy Messier 82. v227 p28–31 4 Jan 85.
Kruth, Howard S.: Platelet-mediated cholesterol accumulation in cultured aortic smooth muscle cells. v227 p1243–1245 8 Mar 85.
Krzycki, J. A. *See* Zeikus, J. G.
Kuhlmann, Hans-Werner and Heckmann, Klaus: Interspecific morphogens regulating prey-predator relationships in protozoa. v227 p1347–1349 15 Mar 85.
Kuijt, Job: review of *The Biology of Mistletoes*, edited by Malcolm Calder and Peter Bernhardt. v227 p290 18 Jan 85.
Kukich, Diane S. *See* Varrin, Robert D.
Kukuk, Penelope: Evidence for an antiaphrodisiac in the sweat bee *Lasioglossum* (Dialictus) *zephyrum*. v227 p656–657 8 Feb 85.
Kuttner, Robert E.: Fraud in science (letter). v227 p466 1 Feb 85.

L

Lacy, Eric R.; Reale, Enrico; Schlusselberg, Daniel S.; Smith, Wade K.; Woodward, Donald J.: A renal countercurrent system in marine elasmobranch fish: a computer-assisted reconstruction. v227 p1351–1354 15 Mar 85.
Laird, Nan M. *See* Thurston, George D.
Lamb, Chris J. *See* Cramer, Carole L.
Landau, I. *See* Mazier, D.
Lane, William. *See* Jones, Nancy.
Lange, O. L. *See* Ehleringer, J. R.
Lange-Wantzin, Gunhild. *See* Saxinger, W. Carl.
Langlois, P. *See* Mazier, D.
Lanier, Lewis. *See* Waldor, Matthew K.
Larsen, Jimmy C. *See* Molinari, Robert L.
——— and Sanford, Thomas B.: Florida Current volume transports from voltage measurements. v227 p302–304 18 Jan 85.
Lasky, Laurence A. *See* Berman, Philip W.
Laurent, Francine. *See* Saxinger, W. Carl.
Lawrance, Warren D.; Moore, C. Bradley;

Petek, Hrvoje: Understanding molecular dynamics quantum-state by quantum-state. v227 p895–901 22 Feb 85.
Lazarow, Paul B. *See* Goldfischer, Sidney.
Leach, William. *See* Graf, Helmut.
Leaman, Kevin. *See* Molinari, Robert L.
Lechner, John F. *See* Yoakum, George H.
Lederman, Leon M. and Schwitters, Roy F.: The 1984 Nobel Prize in Physics. v227 p131–134 11 Jan 85.
LeDuc, J. W. *See* Schmaljohn, C. S.
Ledwell, James R. *See* Wanninkhof, Rik.
Lee, H. W. *See* Schmaljohn, C. S.
Lee, P. W. *See* Schmaljohn, C. S.
Lee, Thomas N.; Schott, Friedrich A.; Zantopp, Rainer: Florida Current: low-frequency variability as observed with moored current meters during April 1982 to June 1983. v227 p298–302 18 Jan 85.
Lee, Tom. *See* Molinari, Robert L.
Legler, John M. *See* Bickham, John W.
Lehn, Jean-Marie: Supramolecular chemistry: receptors, catalysts, and carriers. v227 p849–856 22 Feb 85.
Lehrman, Mark A.; Schneider, Wolfgang J.; Südhof, Thomas C.; Brown, Michael S.; Goldstein, Joseph L.; Russell, David W.: Mutation in LDL receptor: Alu-Alu recombination deletes exons encoding transmembrane and cytoplasmic domains. v227 p140–146 11 Jan 85.
Leiden, Jeffrey. *See* Jones, Nancy.
Leinen, Margaret. *See* Rea, David K.
Lenfant, Claude; Rifkind, Basil; Jacoby, Itzhak: Heart panel's conclusions (letter). v227 p582, 584 8 Feb 85.
Lenoir, Timothy: review of *Paul Ehrlich*, by Ernst Bäumler. v227 p1026 1 Mar 85.
Leone, Stephen R.: Laser probing of chemical reaction dynamics. v227 p889–895 22 Feb 85.
Lerner, Richard A. *See* Moriarty, Ann M.
Levine, Paul H. *See* Saxinger, W. Carl.
Levy, Jay A. *See* Sanchez-Pescador, Ray.
Lewin, Roger (research news): An amplifying cascade. v227 p501 1 Feb 85. Fish to bacterium gene transfer. v227 p1020 1 Mar 85. Paleoclimates in southern Africa. v227 p1325–1327 15 Mar 85. A paradoxical molecule. v227 p502 1 Feb 85. Red Queen runs into trouble? v227 p399–400 25 Jan 85. The Taung baby reaches sixty. v227 p1188–1190 8 Mar 85. Unexpected progress in photoreception. v227 p500–503 1 Feb 85. (news and comment): Louisiana judge voids creationism law. v227 p395 25 Jan 85.
Lewis, Andrew M., Jr., and Cook, James L.: A new role for DNA virus early proteins in viral carcinogenesis. v227 p15–20 4 Jan 85.
Lewis, Edwin R. and Narins, Peter M.: Do frogs communicate with seismic signals? v227 p187–189 11 Jan 85.
Lieber, Robert J.: review of *The Illogic of American Nuclear Strategy*, by Robert Jervis. v227 p935 22 Feb 85.
Ligon, J. David: review of *The Florida Scrub Jay*, by Glen E. Woolfenden and John W. Fitzpatrick. Stacey, Frank D.:
Likens, G. E. *See* Oppenheimer, M.
Lim, Mae. *See* Waldor, Matthew K.
Lin, Chan-Pin and Chen, Tseh An: Monoclonal antibodies against the aster yellows agent. v227 p1233–1235 8 Mar 85.
Liou, Kuo Nan. *See* Sassen, Kenneth.
Lipman, David J. and Pearson, William R.: Rapid and sensitive protein similarity searches. v227 p1435–1441 22 Mar 85.
Lipps, Jere H. *See* Hickman, Carole S.
Littler, Diane S. *See* Littler, Mark M.
Littler, Mark M.; Littler, Diane S.; Blair, Stephen M.; Norris, James N.: Deepest known plant life discovered on an uncharted seamount. v227 p57–59 4 Jan 85.
Livingston, Katherine: review of *Ecological Entomology*, edited by Carl B. Huffaker and Robert L. Rabb. v227 p630 8 Feb 85 and review of *Spatial Orientation*, by Hermann Schöne. v227 p630 8 Feb 85.
Livni, Eli. *See* Yonekura, Yoshiharu.
Lombardo, Michael P.: Mutual restraint in tree swallows: a test of the TIT FOR TAT model of reciprocity. v227 p1363–1365 15 Mar 85.
Long, Joseph B. and Holaday, John W.: Blood-brain barrier: endogenous modulation by adrenal-cortical function. v227 p1580–1583 29 Mar 85.
Loundes, Donna D. *See* Bridges, Robert S.
Low, Philip S.; Waugh, Stephen M.; Zinke, Karen; Drenckhahn, Detlev: The role of hemoglobin denaturation and band 3 clustering in red blood cell aging. v227 p531–533 1 Feb 85.
Lowenstam, H. A. and Weiner, S.: Transformation of amorphous calcium phosphate to crystalline dahllite in the radular teeth of chitons. v227 p51–53 4 Jan 85.
Lowenthal, Douglas H. *See* Rahn, Kenneth A.
Lubrano, Linda L.: review of *Soviet Scientists and the State*, by Peter Kneen. v227 p629 8 Feb 85.
Luciw, Paul A. *See* Sanchez-Pescador, Ray.
Lyman, Harvard: review of *Chloroplasts*, by J. Kenneth Hoober. v227 p289 18 Jan 85.

M

Macaulay, S. Lance. *See* Jarett, Leonard.
Macdonald, Bill: Jumping frog genes (letter). v227 p989 1 Mar 85.
MacFarlane, John K. *See* Gschwend, Philip M.
Mackett, M.; Yilma, T.; Rose, J. K.; Moss, B.: Vaccinia virus recombinants: expression of VSV genes and protective immunization of mice and cattle. v227 p433–435 25 Jan 85.
Mackey Michael C.: review of *Cell Cycle Clocks*, edited by Leland N. Edmunds, Jr. v227 p1221 8 Mar 85.
Majaess, Fouad. *See* Garrett, Christopher.
Majchrowicz, Edward. *See* Martin, Peter R.
Malan-Shibley, Louise. *See* Yoakum, George H.
Marietta, Cheryl. *See* Martin, Peter R.
Marker, L. *See* O'Brien, S. J.
Marks, Tobin J.: Electrically conductive metallomacrocyclic assemblies. v227 p881–889 22 Feb 85.
Marquis, Judith K.: Pesticide resistance (letter). v227 p582 8 Feb 85.
Marra, John. *See* Weller, Robert A.
Marshall, Eliot (news and comment): Health effects institute links adversaries. v227 p729–730 15 Feb 85.
Martin, George: review of *Cellular Ageing*, edited by H. W. Sauer. v227 p514 1 Feb 85.
Martin, Louis N. *See* Wolf, Robert H.
Martin, Peter R.; Majchrowicz, Edward; Tamborska, Ewa; Marietta, Cheryl; Mukherjee, Anil B.; Eckardt, Michael J.: Response to ethanol reduced by past thiamine deficiency. v227 p1365–1368 15 Mar 85.
Martin, Philip L. and Olmstead, Alan L.: The agricultural mechanization controversy. v227 p601–606 8 Feb 85.
Marx, Jean (research news): AIDS virus genomes. v227 p503 1 Feb 85. "Anxiety peptide" found in brain. v227 p934 22 Feb 85. The immune system "belongs in the body". v227 p1190–1192 8 Mar 85. More progess on the HTLV family. v227 p156–157 11 Jan 85. The T-cell receptor—the genes and beyond. v227 p733–735 15 Feb 85. A virus by any other name.... v227 p1449–1451 22 Mar 85.
Matteson, D. R. *See* Armstrong, C. M.
Matthews, John. *See* Akil, Huda.
Matthieu, Jean-Marie. *See* Omlin, François Xavier.
Maugh, Thomas H., II (research news): An inexpensive FT-UV/Vis spectrophotometer for HPLC. v227 p1567 29 Mar. 85. Kinetics at the critical point of fluids. v227 p738 15 Feb 85. A new dimension in gas chromatography. v227 p1570–1571 29 Mar 85. New spectrometer for remote sensing. v227 p1566–1567 29 Mar 85. A new trend: training on "the tube". v227 p1569–1570 29 Mar 85. ^{252}Cf-plasma desorption mass spectrometer. v227 p1566 29 Mar 85.
Maul, George A.; Chew, Frank; Bushnell, Mark; Mayer, Dennis A.: Sea level variation as an indicator of Florida Current volume transport: comparisons with direct measurements. v227 p304–307 18 Jan 85.
Maul, George A. *See* Molinari, Robert L.
Mayer, Dennis. *See* Molinari, Robert L. *See also* Maul, George A.
Mayer, Jean (editorial): Preventing famine. v227 p707 15 Feb 85. (letter): Preventing famine. v227 p1284 15 Mar 85.
Mayer, Leonard W. *See* Howe, Timothy R.
Mazier, D.; Beaudoin, R. L.; Mellouk, S.; Druilhe, P.; Texier, B.; Trosper, J.; Miltgen, F.; Landau, I.; Paul, C.; Brandicourt, O.; Guguen-Guillouzo, C.; Langlois, P.: Complete development of hepatic stages of *Plasmodium falciparum* in vitro. v227 p440–442 25 Jan 85.
McCourt, P. *See* Browse, J.
McCreery, Charles S. *See* Walker, Daniel A.
McDonagh, J. *See* Dvorak, H. F.
McIntire, Larry V. *See* Frangos, John A.
McLaughlin, Patricia J. *See* Zagon, Ian S.
McNeill, John H. *See* Heyliger, Clayton E.
McPherson, Gordon. *See* Thien, Leonard B.
Mednick, Sarnoff A.; Gabrielli, William F., Jr.; Hutchings, Barry: Criminality and adoption (letter). v227 p984, 986, 989 1 Mar 85.
Mellouk, S. *See* Mazier, D.
Melnick, R. L. *See* Huff, J. E.
Meltzer, D. *See* O'Brien, S. J.
Meltzer, David J. *See* Sturtevant, William C.
Mercola, Mark; Goverman, Joan; Mirell, Carol; Calame, Kathryn: Immunoglobluin heavy-chain enhancer requires one or more tissue-specific factors. v227 p266–270 18 Jan 85.
Meredith, M. Alex and Stein, Barry E.: Descending efferents from the superior colliculus relay integrated multisensory information. v227 p657–659 8 Feb 85.
Merzenich, Michael M. *See* Ehret, Günter.
Metzenberg, Robert L. *See* Selker, Eric U.
Meyer, Charles: Ore metals through geologic history. 227 p1421–1428 22 Mar 85.
Meyer, Richard A.; Raja, Srinivasa N.; Campbell, James N.: Coupling of action potential activity between unmyelinated fibers in the peripheral nerve of monkey. v227 p184–187 11 Jan 85.
Meyers, Wayne M. *See* Wolf, Robert H.
Michalopoulos, George K. *See* Cruise, Jennifer L.
Michener, Gail R.: review of *Infanticide*, edited by Glenn Hausfater and Sarah Blaffer Hrdy. v227 p743–744 15 Feb 85.
Middleton, John. *See* Garrett, Christopher.
Miller, G. H. and Gerstein, Dean R.: Smoking and longevity (letter). v227 p1412 22 Mar 85.
Miller, M. W. *See* Ciaravino, V.
Miller, Martin A.: review of *Psychology in Utopia*, by Alex Kozulin. v227 p1574–1575 29 Mar 85.
Miller, R. A. *See* Huff, J. E.
Miltgen, F. *See* Mazier, D.
Ming, Jeffrey. *See* Croce, Carlo M.
Mirell, Carol. *See* Mercola, Mark.
Mitchell, Jane. *See* Goltzman, David.
Moghissi, Jasmine. *See* Saxinger, W. Carl.
Mohs, Richard C. *See* Davis, Kenneth L.
Moldow, Charles F. *See* van Asbeck, B. Sweder.
Molinari, Robert L.; Maul, George A.; Chew, Frank; Wilson, William D.; Bushnell, Mark; Mayer, Dennis; Leaman, Kevin; Schott, Friedrich; Lee, Tom; Zantopp, Rainer; Larsen, Jimmy C.; Sanford, Thomas B.: Subtropical Atlantic Climate Studies: introduction. v227 p292–295 18 Jan 85.
Molinari, Robert L.; Wilson, William D.; Leaman, Kevin: Volume and heat transports of

the Florida Current: April 1982 through August 1983. v227 p295–297 18 Jan 85.
Moore, C. Bradley. *See* Lawrance, Warren D.
Morgan, W. F. *See* Ciaravino, V.
Moriarty, Ann M.; Alexander, Hannah; Lerner, Richard A.; Thornton, George B.: Antibodies to peptides detect new hepatitis B antigen: serological correlation with hepatocellular carcinoma. v227 p429–433 25 Jan 85.
Morita, Yasuhiro. *See* Finger, Thomas E.
Moriuchi, Tetsuya. *See* Seki, Tetsunori.
Moser, Hugo W. *See* Goldfischer, Sidney.
Moses, Lincoln E.: Criminality and adoption (letter). v227 p983–984 1 Mar 85.
Moss, B. *See* Mackett, M.
Muhlenberg, John D. S.: Fuel-efficient automobiles (letter). v227 p1156 8 Mar 85.
Mukherjee, Anil B. *See* Martin, Peter R.

N

Nakaye, Toshio. *See* Tasaki, Ichiji.
Namba, Keiichi; Caspar, Donald L. D.; Stubbs, Gerald J.: Computer graphics representation of levels of organization in tobacco mosaic virus structure. v227 p773–776 15 Feb 85.
Narayan, Opendra. *See* Gonda, Matthew A.
Narins, Peter M. *See* Lewis, Edwin R.
Navia, Bradford A. *See* Shaw, George M.
Needleman, Herbert L.; Geiger, Susan K.; Frank, Richard: Lead and IQ scores: a reanalysis (letter). v227 p701–702, 704 15 Feb 85.
Needleman, Philip. *See* Saper, Clifford B.
Needler, George: review of *Wastes in the Ocean*, edited by Iver W. Duedall, Dana R. Kester, Bostwick H. Ketchum, and P. Kilho Park. v227 p49–50 4 Jan 85.
Nelson, David M. *See* Smith, Walker O.
Newman, A. *See* O'Brien, S. J.
Newman, Kathleen A. *See* Gschwend, Philip M.
Nigro, Michael. *See* Goldfischer, Sidney.
Nishikura, Kazuko. *See* Croce, Carlo M.
Nishizawa, Makoto. *See* Semba, Kentaro.
Norman, Colin (news and comment): Brown loses bid to head space subcommittee. v227 p928 22 Feb 85. Classification dispute stalls NOAA program. v227 p612–613 8 Feb 85. Clinical trial stirs legal battles. v227 p1316–1318 15 Mar 85. College curricula in disarray, study says. v227 p1014–1015 1 Mar 85. Commerce secretary wants technical data restricted. v227 p1182 8 Mar 85. Commission proposes science department. v227 p1017 1 Mar 85. Critical materials imports vulnerable, OTA warns. v227 p394 25 Jan 85. A guide to biology texts. v227 p731 15 Feb 85. IOM's future under review. v227 p1186 8 Mar 85 Medical Institute to sell Hughes Aircraft. v227 p395 25 Jan 85. National Science Board seeks new role. v227 p730–731 15 Feb 85. NSF readies new engineering program. v227 p38–39 4 Jan 85. OTA says African aid focuses on wrong people. v227 p730 15 Feb 85. The science budget: a dose of austerity. v227 p726–728 15 Feb 85. Scientists at the White House. v227 p1015 1 Mar 85. The technological challenge in Africa. v227 p616–617 8 Feb 85. Three sites short-listed for nuclear waste dump. v227 p37 4 Jan 85. U.S. instruments fly on Soviet spacecraft. v227 p274–275 18 Jan 85. U.S. sanctions required to enforce whaling bans. v227 p1447 22 Mar 85. Virgin rain forest reprieved. v227 p273 18 Jan 85. White House awards science, technology medals. v227 p1183 8 Mr 85. White House picks Calio to head NOAA. v227 p498–499 1 Feb 85. (letter): Photovoltaics. v227 p8 4 Jan 85.
Norris, James N. *See* Littler, Mark M.
Norton, S. A. *See* Oppenheimer, M.
Nye, Mary Jo: review of *Physique et Physiciens en France, 1918–1940*, by Dominique Pestre. v227 p628 8 Feb 85.

O and P

Obermeier, Stephen F.; Gohn, Gregory S.; Weems, Robert E.; Gelinas, Robert L.; Rubin, Meyer: Geologic evidence for recurrent moderate to large earthquakes near Charleston, South Carolina. v227 p408–411 25 Jan 85.
O'Brien, K. *See* Haase, A. T.
O'Brien, S. J.; Roelke, M. E.; Marker, L.; Newman, A.; Winkler, C. A.; Meltzer, D.; Colly, L.; Evermann, J. F.; Bush, M.; Wildt, D. E.: Genetic basis for species vulnerability in the cheetah. v227 p1428–1434 22 Mar 85.
O'Farrell, Patrick H.: Separation techniques based on the opposition of two counteracting forces to produce a dynamic equilibrium. v227 p1586–1589 29 Mar 85.
Officer, Charles B. and Drake, Charles L.: Terminal Cretaceous environmental events. v227 p1161–1167 8 Mar 85.
O'Hara, Carl J. *See* Shaw, George M.
Okamoto, Takashi. *See* Starcich, Bruno.
O'Keefe, J. A. and Glass, B. P.: Lunar sample 14425: characterization and resemblance to high-magnesium microtektites. v227 p515–516 1 Feb 85.
Okoye, Vincent C. N. and Bennett, Vann: *Plasmodium falciparum* malaria: band 3 as a possible receptor during invasion of human erythrocytes. v227 p169–171 11 Jan 85.
Oldfield, Eric and Kirkpatrick, R. James: High-resolution nuclear magnetic resonance of inorganic solids. v227 p1537–1544 29 Mar 85.
Oleske, James M. *See* Shaw, George M.
Oliveira, Firmin J. *See* Walker, Daniel A.
Olmstead, Alan L. *See* Martin, Philip L.
Olson, Robert E.: Dietary fat recommendations (letter). v227 p1154 8 Mar 85.
Omlin, François Xavier; Matthieu, Jean-Marie; Philippe, Eric; Roch, Jean-Marc; Droz, Bernard: Expression of myelin-associated glycoprotein by small neurons of the dorsal root ganglion in chickens. v227 p1359–1360 15 Mar 85.
Oppenheimer, M.; Galloway, J. N.; Likens, G. E.; Norton, S. A.: Acid deposition (letter). v227 p1154, 1156 8 Mar 85.
Oroszlan, Stephen. *See* Schultz, Alan M.
Ortiz, X. *See* Weiss, S. J.
Osgood, R. M. and Deutsch, T. F.: Laser-induced chemistry for microelectronics. v227 p709–714 15 Feb 85.
Osguthorpe, D. J. *See* Hagler, A. T.
Owen, Robert M. and Rea, David K.: Sea-floor hydrothermal activity links climate to tectonics: the Eocene carbon dioxide greenhouse. v227 p166–169 11 Jan 85.
Paerl, Hans W. and Gallucci, Kathleen K.: Role of chemotaxis in establishing a specific nitrogen-fixing cyanobacterial-bacterial association. v227 p647–649 8 Feb 85.
Paige, Ken N. and Whitham, Thomas G.: Individual and population shifts in flower color by scarlet gilia: a mechanism for pollinator tracking. v227 p315–317 18 Jan 85.
Painter, Sally: Professional society ethics group exchanges experience (AAAS). v227 p1193 8 Mar 85.
Palumbo, Antonio. *See* Croce, Carlo M.
Pappas, Michael G. *See* Jackson, Peter R.
Parker, G. D.: Galileo, planetary atmospheres, and prograde revolution. v227 p597–600 8 Feb 85.
Pascoe, Gary A. *See* Fariss, Marc W.
Pastan, Ira H. *See* Perrotti, Nicola.
Paul, C. *See* Mazier, D.
Paul, Diane B.: review of *Scientists, Society, and State*, by William McGucken. v227 p1025–1026 1 Mar 85.
Paulson, Glenn: Of state taxes and schools of engineering (letter). v227 p8 4 Jan 85.
Pearlman, David A.; Holbrook, Stephen R.; Pirkle, David H.; Kim, Sung-Hou: Molecular models for DNA damaged by photoreaction. v227 p1304–1308 15 Mar 85.
Pearson, William R. *See* Lipman, David J.
Pellmyr, Olle. *See* Thien, Leonard B.
Penney, John B. *See* Greenamyre, J. Timothy.
Peppin, G. *See* Weiss, S. J.
Perkins, Margaret. *See* Ravetch, Jeffrey V.
Perlmutter, Roger M.; Kearney, John F.; Chang, Sandra P.; Hood, Leroy E.: Developmentally controlled expression of immunoglobulin V_H genes. v227 p1597–1601 29 Mar 85.
Perrotti, Nicola; Taylor, Simeon I.; Richert, Nancy D.; Rapp, Ulf R.; Pastan, Ira H.; Roth, Jesse: Immunoprecipitation of insulin receptors from cultured human lymphocytes (IM-9 cells) by antibodies to $pp60^{src}$. v227 p761–763 15 Feb 85.
Petek, Hrvoje. *See* Lawrance, Warren D.
Peterson, Bruce J.; Howarth, Robert W.; Garritt, Robert H.: Multiple stable isotopes used to trace the flow of organic matter in estuarine food webs. v227 p1361–1363 15 Mar 85.
Peterson, Donald W.: review of *Pyroclastic Rocks*, by R. V. Fisher and H.-U. Schmincke. v227 p48–49 4 Jan 85.
Petito, Carl K. *See* Shaw, George M.
Pezzuto, John M. *See* Compadre, Cesar M.
Pfeffer, T. *See* Kamb, Barclay.
Philippe, Eric. *See* Omlin, François Xavier.
Piatigorsky, J. *See* Garber, A. T.
Piel, Gerard: Development and the market process (letter). v227 p840 22 Feb 85.
Pinkham, Henry C.: review of *Isolated Singular Points on Complete Intersections*, by E. J. N. Looijenga. v227 p512 1 Feb 85.
Pipher, Judith L.: review of *Proceedings of the Workshop on Laboratory and Observational Infrared Spectra of Interstellar Dust*, edited by R. D. Wolstencroft and J. Mayo Greenberg. v227 p1027–1028 1 Mar 85.
Pirkle, David H. *See* Pearlman, David A.
Ploegh, Hidde. *See* Seki, Tetsunori.
Pollack, J. B. *See* Turco, R. P.
Popovic, Mikulas. *See* Sodroski, Joseph.
Portetelle,D. *See* Thiry, L.
Powell, Thomas. *See* Strub, P. Ted.
Power, Michael D. *See* Sanchez-Pescador, Ray.
Powers, M. *See* Huff, J. E.
Pravtcheva, Dimitrina. *See* Kranz, David M.
Price, Floyd M. *See* Rhim, Johng S.
Price, James F. *See* Weller, Robert A.
Price, Richard W. *See* Shaw, George M.
Price, Trevor D. *See* Schluter, Dolph.
Priest, Hugh F. and Cutting, James E.: Visual flow and direction of locomotion (technical comment). v227 p1063–1064 1 Mar 85.
Puck, Jennifer. *See* Croce, Carlo M.

R

Ragsdale, C. *See* Weiss, S. J.
Rahn, Kenneth A. and Lowenthal, Douglas H.: Tracing aerosol pollution (letter). v227 p1408, 1412 22 Mar 85.
Raja, Srinivasa N. *See* Meyer, Richard A.
Rakic, Pasko: Limits of neurogenesis in primates. v227 p1054–1056 1 Mar 85.
Randolph, Anne. *See* Sanchez-Pescador, Ray.
Ranney, David F.: Targeted modulation of acute inflammation. v227 p182–184 11 Jan 85.
Rao, S. T. *See* Sundaralingam, M.
Rapin, Isabelle. *See* Goldfischer, Sidney.
Rapp, Ulf R. *See* Perrotti, Nicola.
Ratner, Lee. *See* Starcich, Bruno.
Ravetch, Jeffrey V.; Kochan, Jarema; Perkins, Margaret: Isolation of the gene for a glycophorin-binding protein implicated in erythrocyte invasion by a malaria parasite. v227 p1593–1597 29 Mar 85.
Raymond, C. F. *See* Kamb, Barclay.
Rea, David K.; Leinen, Margaret; Janecek, Thomas R.: Geologic approach to the long-term history of atmospheric circulation. v227 p721–725 15 Feb 85.

Rea, David K. *See* Owen, Robert M.
Reale, Enrico. *See* Lacy, Eric R.
Rebec, George V.; Centore, Josephine M.; White, Laura K.; Alloway, Kevin D.: Ascorbic acid and the behavioral response to haloperidol: implications for the action of antipsychotic drugs. v227 p438–440 25 Jan 85.
Reed, Donald J. *See* Fariss, Marc W.
Regan, D.: Visual flow and direction of locomotion (technical comment). v227 p1064–1065 1 Mar 85.
Regnery, H. L. *See* Schmaljohn, C. S.
Reifenberger, R.: review of *Magnetic Oscillations in Metals*, by D. Shoenberg. v227 p1026–1027 1 Mar 85.
Reisenauer, Ann M. and Gray, Gary M.: Abrupt induction of a membrane digestive enzyme by its intraintestinal substrate. v227 p70–72 4 Jan 85.
Renard, Andre. *See* Sanchez-Pescador, Ray.
Rettig, Richard A.: review of *The Interferon Crusade*, by Sandra Panem. v227 p936–937 22 Feb 85.
ReVelle, Douglas O.: review of *Physics of Meteoric Phenomena*, by V. A. Bronshten. v227 p1219–1220 8 Mar 85.
Rhim, Johng S.; Jay, Gilbert; Arnstein, Paul; Price, Floyd M.; Sanford, Katherine K.; Aaronson, Stuart A.: Neoplastic transformation of human epidermal keratinocytes by AD12-SV40 and Kirsten sarcoma viruses. v227 p1250–1252 8 Mar 85.
Rhodes, Randall E. *See* Zagon, Ian S.
Rice, Dale W.: review of *The Gray Whale*, edited by Mary Lou Jones, Steven L. Swartz, and Stephen Leatherwood. v227 p1219 8 Mar 85.
Richert, Nancy D. *See* Perrotti, Nicola.
Rifkind, Basil. *See* Lenfant, Claude.
Riggs, Alan C. *See* Winograd, Isaac J.
Rio, Donald C.; Clark, Scott G.; Tjian, Robert: A mammalian host-vector system that regulates expression and amplification of tranfected genes by temperature induction. v227 p23–28 4 Jan 85.
Ristic, Miodrag. *See* Holland, Cynthia J.
Robinson, Arthur L. (research news): Automated motion analysis system. v227 p1567 29 Mar 85. First neutrons from Rutherford lab's SNS. v227 p1021–1024 1 Mar 85. Ion beams for compositional analysis. v227 p1571–1572 29 Mar 85. A model synchrotron light source in Berlin. v227 p1323–1325 15 Mar 85. Momentum builds for new synchrotron source. v227 p396–398 25 Jan 85. A rescue for Wisconsin's synchrotron source. v227 p154–155 11 Jan 85. Robots automate sample preparation. v227 p1565–1566, 1568–1569 29 Mar 85. Tunable for IR molecular lasers developed. v227 p736–737 15 Feb 85. Zeta particle in question. v227 p624 8 Feb 85.
Roch, Jean-Marc. *See* Omlin, François Xavier.
Roelke, M. E. *See* O'Brien, S. J.
Rogers, S. G. *See* Horsch, R. B.
Roll-Hansen, Nils: review of *The Vavilov Affair*, by Mark Popovsky. v227 p1329 15 Mar 85.
Rose, J. K. *See* Mackett, M.
Rosen, Craig. *See* Goh, Wei Chun. *See also* Sodroski, Joseph.
Rosen, Craig A.; Sodroski, Joseph G.; Kettman, Richard; Burny, Arsene; Haseltine, William A.: *Trans* activation of the bovine leukemia virus long terminal repeat in BLV-infected cells. v227 p320–322 18 Jan 85.
Rosenbauer, Robert J. *See* Bischoff, James L.
Rosenberg, Barbara Hatch: Biological and chemical warfare (letter). v227 p120 11 Jan 85.
Roth, Jesse. *See* Perrotti, Nicola.
Rovera, Giovanni. *See* Croce, Carlo M.
Roychowdhury, P. *See* Sundaralingam, M.
Rubin, Meyer. *See* Obermeier, Stephen F.
Ruddle, Frank H. *See* Kranz, David M.
Russell, David W. *See* Lehrman, Mark A.
Ryder, Thomas B. *See* Cramer, Carole L.

S

Sagan, C. *See* Turco, R. P.
Saito, Haruo. *See* Kranz, David M.
Salahuddin, S. Zaki. *See* Sodroski, Joseph.
Saldarriaga, Juan. *See* Sanford, Robert L., Jr.
Samuelson, Paul A.: The 1984 Nobel Prize in Economics. v227 p20–22 4 Jan 85.
Sanchez-Pescador, Ray; Power, Michael D.; Barr, Philip J.; Steimer, Kathelyn S.; Stempien, Michelle M.; Brown-Shimer, Sheryl L.; Gee, Wendy W.; Renard, Andre; Randolph, Anne; Levy, Jay A.; Dina, Dino; Luciw, Paul A.: Nucleotide sequence and expression of an AIDS-associated retrovirus (ARV-2). v227 p484–492 1 Feb 85.
Sanford, Katherine K. *See* Rhim, Johng S.
Sanford, Robert L., Jr.; Saldarriaga, Juan; Clark, Kathleen E.; Uhl, Christopher; Herrera, Rafael: Amazon rain-forest fires. v227 p53–55 4 Jan 85.
Sanford, Thomas B. *See* Larsen, Jimmy C. *See also* Molinari, Robert L.
Saper, Clifford B.; Standaert, David G.; Currie, Mark G.; Schwartz, David; Geller, David M.; Needleman, Philip: Atriopeptin-immunoreactive neurons in the brain: presence in cardiovascular regulatory areas. v227 p1047–1049 1 Mar 85.
Sarngadharan, M. G. *See* Saxinger, W. Carl.
Sasaki, Motomichi. *See* Semba, Kentaro.
Sassen, Kenneth; Liou, Kuo Nan; Kinne, Stefan; Griffin, Michael: Highly supercooled cirrus cloud water: confirmation and climatic implications. v227 p411–413 25 Jan 85.
Saxinger, W. Carl; Levine, Paul H.; Dean, A. G.; de Thé, Guy; Lange-Wantzin, Gunhild; Moghissi, Jasmine; Laurent, Francine; Hoh, Mei; Sarngadharan, M. G.; Gallo, Robert C.: Evidence for exposure to HTLV-III in Uganda before 1973. v227 p1036–1938 1 Mar 85.
Sayre, David. *See* Feder, Ralph.
Schaechter, Moselio and Coffin, John M.: review of *The Microbe 1984*, part 1 edited by B. W. J. Mahy and J. R. Pattison and part 2 edited by P. D. Kelly and N. G. Carr. v227 p158–159 11 Jan 85.
Schaefer, Ernst J. *See* Hoeg, Jeffrey M.
Schemske, Douglas W.: review of *Perspectives on Plant Population Ecology*, edited by Rodolfo Dirzo and José Sarukhán. v227 p405–406 25 Jan 85.
Schlusselberg, Daniel S. *See* Lacy, Eric R.
Schluter, Dolph; Price, Trevor D.; Grant, Peter R.: Ecological character displacement in Darwin's finches. v227 p1056–1059 1 Mar 85.
Schmaljohn, C. S.; Hasty, S. E.; Dalrymple, J. M.; LeDuc, J. W.; Lee, H. W.; von Bonsdorff, C.-H.; Brummer-Korvenkontio, M.; Vaheri, A.; Tsai, T. F.; Regnery, H. L.; Goldgaber, D.; Lee, P. W.: Antigenic and genetic properties of viruses linked to hemorrhagic fever with renal syndrome. v227 p1041–1044 1 Mar 85.
Schneider, Wolfgang J. *See* Lehrman, Mark A.
Schott, Friedrich. *See* Molinari, Robert L. *See also* Lee, Thomas N.
Schott, Friedrich and Zantopp, Rainer: Florida Current: seasonal and interannual variability. v227 p308–311 18 Jan 85.
Schreiber, Stuart L.: [2 + 2] Photocycloadditions in the synthesis of chiral molecules. v227 p857–863 22 Feb 85.
Schultz, Alan M.; Henderson, Louis E.; Oroszlan, Stephen; Garber, Ellen A.; Hanafusa, Hidesaburo: Amino terminal myristylation of the protein kinase p60*src*, a retroviral transforming protein. v227 p427–429 25 Jan 85.
Schulze, E.-D. *See* Ehleringer, J. R.
Schwartz, Bruce A. *See* van Asbeck, B. Sweder.
Schwartz, David. *See* Saper, Clifford B.
Schwartz, Eric: On the mathematical structure of the visuotopic mapping of macaque striate cortex (technical comment). v227 p1065–1066 1 Mar 85.
Schwitters, Roy F. *See* Lederman, Leon M.
Sechzer, Jeri: Animal research guidelines (letter). v227 p246 18 Jan 85.
Seki, Tetsunori; Chang, Hsiu-Ching; Moriuchi, Tetsuya; Denome, Roger; Ploegh, Hidde; Silver, Jack: A hydrophobic transmembrane segment at the carboxyl terminus of Thy-1. v227 p649–651 8 Feb 85.
Selker, Eric U.; Stevens, Judith N.; Metzenberg, Robert L.: Heterogeneity of 5*S* RNA in fungal ribosomes. v227 p1340–1343 15 Mar 85.
Semba, Kentaro; Yamanashi, Yuji; Nishizawa, Makoto; Sukegawa, Jun; Yoshida, Michihiro; Sasaki, Motomichi; Yamamoto, Tadashi; Toyoshima, Kumao: Location of the c-*yes* gene on the human chromosome and its expression in various tissues. v227 p1038–1040 1 Mar 85.
Senger, D. R. *See* Dvorak, H. F.
Shamsuddin, Abulkalam M. *See* Yoakum, George H.
Sharp, D. H. *See* Buzbee, B. L.
Shaw, George M.; Harper, Mary E.; Hahn, Beatrice H.; Epstein, Leon G.; Gajdusek, D. Carleton; Price, Richard W.; Navia, Bradford A.; Petito, Carol K.; O'Hara, Carl J.; Groopman, Jerome E.; Cho, Eun-Sook; Oleske, James M.; Wong-Staal, Flossie; Gallo, Robert C.: HTLV-III infection in brains of children and adults with AIDS encephalopathy. v227 p177–182 11 Jan 85.
Shea, William R.: review of *Galileo and His Sources*, by William A. Wallace. v227 p1462–1463 22 Mar 85.
Shinohara, T. *See* Garber, A. T.
Shiomi, Hirohito. *See* Akil, Huda.
Shouison, Ira. *See* Greenamyre, J. Timothy.
Shustorovich, Evgeny and Baetzold, Roger C.: Toward a coherent theory of chemisorption. v227 p876–881 22 Feb 85.
Silberstein, David S. and Despommier, Dickson D.: Effects on *Trichinella spiralis* of host responses to purified antigens. v227 p948–950 22 Feb 85.
Silver, Jack. *See* Seki, Tetsunori.
Silverman, Martin S. *See* Tootell, Roger B. H.
Silverman, Michael. *See* Engebrecht, JoAnne.
Simmons, Howard E. *See* Arnett, Edward M.
Simon, Melvin. *See* Engebrecht, JoAnne.
Simpson, J. C. *See* Bromenshenk, J. J.
Singer, S. Fred: On a "nuclear winter" (letter). v227 p356 25 Jan 85.
Smith, Andrew T.: review of *The Biology of Ground-Dwelling Squirels*, edited by Jan O. Murie and Gail R. Michener. v227 p406 25 Jan 85.
Smith, Daniel Scott: review of *Malthus Past and Present*, edited by J. Dupâquier, A. Fauve-Chamoux, and E. Grebenik. v227 p1329–1331 15 Mar 85.
Smith, George I. *See* Bischoff, James L.
Smith, Judith A. *See* Jarett, Leonard.
Smith, Maire A. and Clegg, John A.: Vaccination against *Schistosoma mansoni* with purified surface antigens. v227 p535–538 1 Feb 85.
Smith, R. Jeffrey (news and comment): Academy to reopen Soviet exchange program. v227 p395 25 Jan 85. Allegations of cheating endanger arms talks. v227 p1180–1181 8 Mar 85. Army agrees to new study of biowarfare laboratory. v227 p614 8 Feb 85. DOD reorganizes management. v227 p613 8 Feb 85. DOD says "nuclear winter" bolsters its plans. v227 p1320 15 Mar 85. Empty space talk. v227 p276 18 Jan 85. A fresh start for arms negotiations. v227 p389–390 25 Jan 85. Herrington confirmed as energy secretary. v227 p928–929 22 Feb 85. A new image for the space shuttle. v227 p276–277 18 Jan 85. "Nuclear winter" feels budgetary chill. v227 p924–925 22 Feb 85. Pentagon decision-making comes under fire. v227 p32–33 4 Jan 85. U.S. experts condemn Soviet radar. v227 p1442–1444 22 Mar 85. U.S.–Soviet academies to resume exchanges. v227 p614 8 Feb 85.
Smith, Wade K. *See* Lacy, Eric R.
Smith, Walker O. and Nelson, David M.: Phy-

toplankton bloom produced by a receding ice edge in the Ross Sea: spatial coherence with the density field. v227 p163–166 11 Jan 85.
Sodroski, Joseph; Rosen, Craig; Wong-Staal, Flossie; Salahuddin, S. Zaki; Popovic, Mikulas; Arya, Suresh; Gallo, Robert C.; Haseltine, William A.: *Trans*-acting transcriptional regulation of human T-cell leukemia virus type III long terminal repeat. v227 p171–173 11 Jan 85.
Sodroski, Joseph. *See* Goh, Wei Chun. *See also* Rosen, Craig A.
Solleveld, H. A. *See* Huff, J. E.
Som, Prantika. *See* Yonekura, Yoshiharu.
Somerville, C. R. *See* Browse, J.
Somorjai, Gabor A.: Surface science and catalysis. v227 p902–908 22 Feb 85.
Spekoski, J. John, Jr.: review of *The Dawn of Animal Life*, by Martin F. Glaessner. v227 p1218–1219 8 Mar 85.
Sprecher-Goldberger, S. *See* Thiry, L.
Sramek, Richard A. *See* Kronberg, Philipp R.
Sripaipan, Chatri. *See* Yuthavong, Yongyuth.
Sriram, Subramanian. *See* Waldor, Matthew K.
Srivastava, Suresh C. *See* Yonekura, Yoshiharu.
Standaert, David G. *See* Saper, Clifford B.
Starcich, Bruno; Ratner, Lee; Josephs, Steven F.; Okamoto, Takashi; Gallo, Robert C.; Wong-Staal, Flossie: Characterization of long terminal repeat sequences of HTLV-III. v227 p538–540 1 Feb 85.
Steimer, Kathelyn S. *See* Sanchez-Pescador, Ray.
Stein, Barry E. *See* Meredith, M. Alex.
Steinberg, Daniel: Heart panel's conclusions (letter). v227 p582 8 Feb 85.
Steinman, Lawrence. *See* Waldor, Matthew K.
Stempien, Michelle M. *See* Sanchez-Pescador, Ray.
Stevens, Judith N. *See* Selker, Eric U.
Stevens, Lori. *See* Wade, Michael J.
Stossel, Thomas P. *See* Weitzman, Sigmund A.
Stowring, L. *See* Haase, A. T.
Strasburg, G. *See* Sundaralingam, M.
Straus, Lawrence Guy: review of *Hominid Evolution and Community Ecology*, edited by Robert Foley. v227 p1028–1029 1 Mar 85.
Strauss, H. William. *See* Yonekura, Yoshiharu.
Strominger, Jack L. *See* Jones, Nancy.
Strub, P. Ted; Powell, Thomas; Goldman, Charles R.: Climatic forcing: effects of El Niño on a small, temperate lake. v227 p55–57 4 Jan 85.
Stubbs, Gerald J. *See* Namba, Keiichi.
Sturtevant, William C. and Meltzer, David J.: The Holly Oak pendant (letter). v227 p242, 244 18 Jan 85.
Sukegawa, Jun. *See* Semba, Kentaro.
Südhof, Thomas C. *See* Lehrman, Mark A.
Sun, Marjorie (news and comment): Agency scraps plant to limit ethylene oxide. v227 p392–393 25 Jan 85. China's science academy revamps funding process. v227 p615 8 Feb 85. A closer look at the legislation. v227 p1013 1 Mar 85. EPA accelerates ban on leaded gas. v227 p1448 22 Mar 85. Hollywood takes on genetic engineering. v227 p1319 15 Mar 85. Legislative paralysis on the environment. v227 p496–497 1 Feb 85. Monsanto may bypass NIH in microbe test. v227 p153 11 Jan 85. Newman's motor: does it work or doesn't it? v227 p1558 29 Mar 85. Regulatory structure for biotechnology proposed. v227 p274 18 Jan 85. Rifkin and NIH win in court ruling. v227 p1321 15 Mar 85. A science primer for freshman legislators. v227 p615 8 Feb 85. Superfund needs superfunding (and more). v227 p1447 22 Mar 85. USDA's basic research needs beefing up. v227 p1446 22 Mar 85. The vexing problems of vaccine compensation. v227 p1012–1014 1 Mar 85. Whooping cough vaccine research revs up. v227 p1184–1186 8 Mar 85. Young plans management reforms at FDA. v227 p277–278 18 Jan 85.
Sundaralingam, M.; Bergstrom, R.; Strasburg, G.; Rao, S. T.; Roychowdhury, P.; Greaser, M.; Wang, B. C.: Molecular structure of troponin C from chicken skeletal muscle at 3-angstrom resolution. v227 p945–948 22 Feb 85.
Swisshelm, Karen. *See* Kranz, David M.
Switkes, Eugene. *See* Tootell, Roger B. H.
Szabo, Barney J. *See* Winograd, Isaac J.

T

Tahiliani, Arun G. *See* Heyliger, Clayton E.
Tamarkin, Lawrence; Baird, Curtis J.; Almeida, O. F. X.: Melatonin: a coordinating signal for mammalian reproduction? v227 p714–720 15 Feb 85.
Tamborska, Ewa. *See* Martin, Peter R.
Tanzer, Marvin L.: review of *Extracellular Matrix Biochemistry*, edited by Karl A. Piez and A. H. Reddi and *The Role of Extracellular Matrix in Development*, edited by Robert L. Trelstad. v227 p289–290 18 Jan 85.
Tasaki, Ichiji and Nakaye, Toshio: Heat generated by the dark-adapted squid retina in response to light pulses. v227 p654–655 8 Feb 85.
Taylor, Simeon I. *See* Perrotti, Nicola.
Teramoto, Linden T. *See* Crews, David.
Test, S. T. *See* Weiss, S. J.
Texier, B. *See* Mazier, D.
Thien, Leonard B.; Bernhardt, Peter; Gibbs, George W.; Pellmyr, Olle; Bergström, Gunnar; Groth, Inga; McPherson, Gordon: The pollination of *Zygogynum* (Winteraceae) by a moth, *Sabatinca* (Micropterigidae): an ancient assocation? v227 p540–543 1 Feb 85.
Thiry, L.; Sprecher-Goldberger, S.; Jacquemin, P.; Cogniaux, J.; Burny, A.; Bruck, C.; Portetelle, D.; Cran, S.; Clumeck, N.: Bovine leukemia virus–related antigens in lymphocyte cultures infected with AIDS associated viruses. v227 p1482–1484 22 Mar 85.
Thomas, J. M. *See* Bromenshenk, J. J.
Thomas, Robert H. *See* Jezek, Kenneth C.
Thoren, Victor E.: review of *Mathematical Astronomy in Copernicus's De Revolutionibus*, by N. M. Swerdlow and O. Neugebauer. v227 p744–745 15 Feb 85.
Thornton, George B. *See* Moriarty, Ann M.
Thurston, George D. and Laird, Nan M.: Tracing aerosol pollution (letter). v227 p1406, 1408 22 Mar 85.
Tjian, Robert. *See* Rio, Donald C.
Tonegawa, Susumu. *See* Ephrussi, Anne. *See also* Kranz, David M.
Toon, O. B. *See* Turco, R. P.
Tootell, Roger B. H.; Silverman, Martin S.; Switkes, Eugene; De Valois, Russell L.: On the mathematical structure of the visuotopic mapping of macaque striate cortex (technical comment). v227 p1066 1 Mar 85.
Torrey, Charles C.: Visual flow and direction of locomotion (technical comment). v227 p1064 1 Mar 85.
Townshend, John R. G. *See* Tucker, Compton J.
Toyoshima, Kumao. *See* Semba, Kentaro.
Trail, Pepper W.: Courtship disruption modifies mate choice in a lek-breeding bird. v227 p778–780 15 Feb 85.
Trakulku, Kanchana. *See* Yuthavong, Yongyuth.
Traub, R. *See* Farhang-Azad, A.
Trenberth, Keven E.: Meteorological satellites (letter). v227 p701 15 Feb 85.
Trosper, J. *See* Mazier, D.
Trost, Barry M.: Sculpting horizons in organic chemistry. v227 p908–916 22 Feb 85.
Trump, Benjamin F. *See* Yoakum, George H.
Tsai, T. F. *See* Schmaljohn, C. S.
Tucker, Compton J.; Townshend, John R. G.; Goff, Thomas E.: African land-cover classification using satellite data. v227 p369–375 25 Jan 85.
Tucker, Priscilla K. *See* Bickham, John W.
Turco, R. P.; Toon, O. B.; Ackerman, T. P.; Pollack, J. B.; Sagan, C.: On a "nuclear winter" (letter). v227 p358, 360, 362 25 Jan 85.
Tweardy, David. *See* Croce, Carlo M.

U and V

Uhl, Christopher. *See* Sanford, Robert L., Jr.
Ulrich, Peter. *See* Fairlamb, Alan H.
Vacquier, Victor D. *See* Ward, Gary E.
Vaheri, A. *See* Schmaljohn, C. S.
Valerio, Marion G. *See* Yoakum, George H.
van Asbeck, B. Sweder; Hoidal, John; Vercellotti, Gregory M.; Schwartz, Bruce A.; Moldow, Charles F.; Jacob, Harry S.: Protection against lethal hyperoxia by tracheal insufflation of erythrocytes: role of red cell glutathione. v227 p756–759 15 Feb 85.
VanderHart, David L. *See* Atalla, Rajai H.
Varrin, Robert D. and Kukich, Diane S.: Guidelines for industry-sponsored research at universities. v227 p385–388 25 Jan 85.
Ventura, P. *See* Haase, A. T.
Vercellotti, Gregory M. *See* van Asbeck, B. Sweder.
Vermeer, Donald E.: Trypanosomiasis research (letter). v227 p118 11 Jan 85.
Vermeer, Donald E. and Ferrell, Ray E., Jr.: Nigerian geophagical clay: a traditional antidiarrheal pharmaceutical. v227 p634–636 8 Feb 85.
Vogelstein, Bert; Fearon, Eric R.; Hamilton, Stanley R.; Feinberg, Andrew P.: Use of restriction fragment length polymorphisms to determine the clonal origin of human tumors. v227 p642–645 8 Feb 85.
von Bonsdorff, C.-H. *See* Schmaljohn, C. S.

W

Wade, Michael J. and Stevens, Lori: Microorganism mediated reproductive isolation in flour beetles (genus *Tribolium*). v227 p527–528 1 Feb 85.
Waldor, Matthew K.; Sriram, Subramanian; Hardy, Richard; Herzenberg, Leonore A.; Herzenberg, Leonard A.; Lanier, Lewis; Lim, Mae; Steinman, Lawrence: Reversal of experimental allergic encephalomyelitis with monoclonal antibody to a T-cell subset marker. v227 p415–417 25 Jan 85.
Waldrop, M. Mitchell (research news): Astronomy and the realities of the budget. v227 p283–285 18 Jan 85. Cosmic cube goes commercial. v227 p1024 1 Mar 85. A dash of aluminum-26. v227 p622–623 8 Feb 85. Going with the flow. v227 p622 8 Feb 85. Mating dance of the two-tailed radio source. v227 p623 8 Feb 85. More than a planet, almost a star. v227 p44 4 Jan 85. NSF selects supercomputer centers. v227 p1318 15 Mar 85. Squarks at CERN? v227 p505 1 Feb 85. (news and comment): Air Force, NASA settle launch dispute. v227 p1445 22 Mar 85. Ashes to ashes—to orbit. v227 p615 8 Feb 85. A new U.S.–Soviet manned space mission? v227 p394–395 25 Jan 85. Telescope gets largest private gift ever. v227 p275 18 Jan 85.
Walker, D. *See* Haase, A. T.
Walker, Daniel A.; McCreery, Charles S.; Oliveira, Firmin J.: Kaitoku seamount and the mystery cloud of 9 April 1984. v227 p607–611 8 Feb 85.
Walker, James C. G.: review of *Patterns of Change in Earth Evolution*, edited by H. D. Holland and A. F. Trendall. v227 p745 15 Feb 85.
Walsh, Gerald P. *See* Wolf, Robert H.
Walsh, John: (news and comment): New R&D centers will test university ties. v227 p150–152 11 Jan 85.
Wang, B. C. *See* Sundaralingam, M.
Wanninkhof, Rik; Ledwell, James R.;

Broecker, Wallace S.: Gas exchange–wind speed relation measured with sulfur hexafluoride on a lake. v227 p1224–1226 8 Mar 85.
Ward, Gary E.; Garbers, David L.; Vacquier, Victor D.: Effects of extracellular egg factors on sperm guanylate cyclase. v227 p768–770 15 Feb 85.
Waugh, Stephen M. *See* Low, Philip S.
Webb, S. P. *See* Glazer, A. N.
Wechter, W. J. *See* Williams, R. C.
Wedemayer, Gary J. *See* Wilcox, Lee W.
Weems, Robert E. *See* Obermeier, Stephen F.
Weidner, Donald J.: review of *Materials Science of the Earth's Interior*, edited by Ichiro Sunagawa. v227 p48 4 Jan 85.
Weinberg, W. C.; Howard, J. C.; Iannaccone, P. M.: Histological demonstration of mosaicism in a series of chimeric rats produced between congenic strains. v227 p524–527 1 Feb 85.
Weiner, S. *See* Lowenstam, H. A.
Weiss, Charles, Jr.: The World Bank's support for science and technology. v227 p261–265 18 Jan 85.
Weiss, S. J.; Peppin, G.; Ortiz, X.; Ragsdale, C.; Test, S. T.: Oxidative autoactivation of latent collagenase by human neutrophils. v227 p747–749 15 Feb 85.
Weitberg, Alan B. *See* Weitzman, Sigmund A.
Weitzman, Sigmund A.; Weitberg, Alan B.; Clark, Edward P.; Stossel, Thomas P.: Phagocytes as carcinogens: malignant transformation produced by human neutrophils. v227 p1231–1233 8 Mar 85.
Weller, Gunter: Arctic Division holds 1984 meeting—35th Alaska Science Conference (AAAS). v227 p1193 8 Mar 85.
Weller, Robert A.; Dean, Jerome P.; Marra, John; Price, James F.; Francis, Erika A.; Boardman, David C.: Three-dimensional flow in the upper ocean. v227 p1552–1556 29 Mar 85.
White, Laura K. *See* Rebec, George V.
Whitham, Thomas G. *See* Paige, Ken N.
Whitlock, James P., Jr. *See* Jones, Phillip B. C.
Wilcox, Lee W. and Wedemayer, Gary J.: Dinoflagellate with blue-green chloroplasts derived from an endosymbiotic eukaryote. v227 p192–194 11 Jan 85.
Wildt, D. E. *See* O'Brien, S. J.
Willadsen, P. *See* East, I. J.
Willey, James C. *See* Yoakum, George H.
Williams, R. C.; Jeffcoat, M. K.; Kaplan, M. L.; Goldhaber, P.; Johnson, H. G.; Wechter, W. J.: Flurbiprofen: a potent inhibitor of alveolar bone resorption in beagles. v227 p640–642 8 Feb 85.
Williams, R. S. *See* Graveland, G. A.
Wilson, William D. *See* Molinari, Robert L.
Winkler, C. *See* Garber, A. T.
Winkler, C. A. *See* O'Brien, S. J.
Winograd, Isaac J.; Szabo, Barney J.; Coplen, Tyler B.; Riggs, Alan C.; Kolesar, Peter T.: Two-million-year record of deuterium depletion in Great Basin ground waters. v227 p519–522 1 Feb 85.
Wise, Roy A. *See* Gratton, Alain.
Wolf, Robert H.; Gormus, Bobby J.; Martin, Louis N.; Baskin, Gary B.; Walsh, Gerald P.; Meyers, Wayne M.; Binford, Chapman H.: Experimental leprosy in three species of monkeys. v227 p529–531 1 Feb 85.
Wolfle, Thomas L.: Chimpanzee colony (letter). v227 p1530 29 Mar 85.
Wong, Albert. *See* Dang, Chi V.
Wong, Ellen H. A. *See* Jarett, Leonard.
Wong-Staal, Flossie. *See* Gonda, Matthew A. *See also* Shaw, George M. *See also* Sodroski, Joseph. *See also* Starcich, Bruno.
Wood, Charles C.; Cohen, David; Cuffin, B. Neil; Yarita, Masaru; Allison, Truett: Electrical sources in human somatosensory cortex: identification by combined magnetic and potential recordings. v227 p1051–1053 1 Mar 85.
Woodward, Donald J. *See* Lacy, Eric R.
Woody, James. *See* Jones, Nancy.
Wright, I. G. *See* East, I. J.
Wyatt, Richard Jed. *See* Freed, William J.
Wynne, Brian. *See* Keepin, Bill.

Y and Z

Yamamoto, Kazutaka. *See* Yonekura, Yoshiharu.
Yamamoto, Tadashi. *See* Semba, Kentaro.
Yamanashi, Yuji. *See* Semba, Kentaro.
Yarita, Masaru. *See* Wood, Charles C.
Yeh, Sheila W. *See* Glazer, A. N.
Yilma, T. *See* Mackett, M.
Yoakum, George H.; Lechner, John F.; Gabrielson, Edward W.; Korba, Brent E.; Malan-Shibley, Louise; Willey, James C.; Valerio, Marion G.; Shamsuddin, Abulkalam M.; Trump, Benjamin F.; Harris, Curtis C.: Transformation of human bronchial epithelial cells transfected by Harvey *ras* oncogene. v227 p1174–1179 8 Mar 85.
Yonekura, Yoshiharu; Brill, A. Bertrand; Som, Prantika; Yamamoto, Kazutaka; Srivastava, Suresh C.; Iwai, Junichi; Ehmaleh, David R.; Livni, Eli; Strauss, H. William; Goodman, Mark M.; Knapp, Furn F., Jr.: Regional myocardial substrate uptake in hypertensive rats: a quantitative autoradiographic measurement. v227 p1494–1496 22 Mar 85.
Yoshida, Michihiro. *See* Semba, Kentaro.
Young, Anne B. *See* Greenamyre, J. Timothy.
Yuthavong, Yongyuth; Sripaipan, Chatri; Kirtikara, Krissanapong; Glankwamdee, Atthakorn; Trakulku, Kanchana: Key problems in science and technology in Thailand. v227 p1007–1011 1 Mar 85.
Zagon, Ian S.; Rhodes, Randall E.; McLaughlin, Patricia J.: Distribution of enkephalin immunoreactivity in germinative cells of developing rat cerebellum. v227 p1049–1051 1 Mar 85.
Zantopp, Rainer. *See* Lee, Thomas N. *See also* Molinari, Robert L. *See also* Schott, Friedrich.
Zeikus, J. G.; Kerby, R.; Krzycki, J. A.: Single-carbon chemistry of acetogenic and methanogenic bacteria. v227 p1167–1173 8 Mar 85.
Ziegler, H. *See* Ehleringer, J. R.
Zinke, Karen. *See* Low, Philip S.